**Sections: Part A.**

**Part I. Comprehensive Faculty Evaluation System- June 15, 2020 – June 14, 2021**

**Role Assignments** **Percent of Time**

Extension & Outreach:  51%

Creative/Research/Scholarly 34%

University Service         15%

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Total          100%

This section references your 2020-2021 assigned roles and percent of time allocations.

|  |  |  |
| --- | --- | --- |
| **Part II. Period June 15, 2020, thru June 14, 2021, Cooperative Extension & Outreach- 51%** | | |
| **Planned Activity (PA.)** | NIFA Science Emphasis Areas (SEAs) | Knowledge Areas (KA.) |
| **Critical Issue (CI**) | **NIFA Science Emphasis Areas (SEAs))** | NIFA Knowledge Areas (KA.) |
| **CI-(Identify CI areas)** *Critical Issue –*  *Sustained Agricultural Production Systems - Plant/Pest Efforts & Protect Resources of Guam* | * Sustainable Agricultural Production Systems-Addresses human interaction between science, technology, and agriculture. Integrates the biological, physical, and environmental and socioeconomic factors essential to successful production enterprises and viable rural communities. | **Topic Areas:**   * Plants and Their Systems   + Plant Protection   **Specific KA areas:**  KA 203 – Plant Biological Efficiency and Abiotic Stresses Affecting  KA 211 – Insects, Mites and Other Anthropods Affecting Plants  KA 215 – Biological Control of Pests Affecting Plants  KA 216 – Integrated Pest Management Systems |
| PA1 Insect Diagnostic Services  PA2 Detection and Documentation of Invasive Species  PA3 University of Guam Insect Collection  PA4 Mitigation of Damage to Guam's Ecosystems by Invasive Species  PA5 National Plant Diagnostic Network (NPDN)  PA6 Guam Invasive Species Advisory Committee (GISAC) and Guam Invasive Species Council (GISC)  PA7 Public Outreach: Internet  PA8 Public Outreach: Presentations  PA9 Public Outreach: Miscellaneous  PA10 Public Outreach: Public GitHub Repositories |

**Part II. Period June 15, 2020, thru June 14, 2021 Cooperative Extension & Outreach- 51%**

Role Assignment Summary/Planned Review Highlights -

*Program highlights cover the following NIFA Science Emphasis Areas (SEA) and Knowledge Areas (KA):*

CE&O PA1 Insect Diagnostic Services

PA1 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA1 roles in supporting the ANR CI areas.   Under this PA1 endeavor, you initially planned the following activity followed by the documentation provided:

* Noted accomplishments or variances reported include:
  + - * + Artifacts

Number of extension calls requiring my assistance averaged approximately one per day during the reporting period. Many of these are documented as postings to iNaturalist [1].

*[1] Aubrey Moore. Observations posted on iNaturalist by Aubrey Moore between June 15, 2020, and June 15 2021. 2 url: https://www. inaturalist.org/observations?d1=2020-06-15&place\_id=any& user\_id=aubreymoore&verifiable=any.*

CE&O PA2 Detection and Documentation of Invasive Species

PA2 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA2 roles in supporting the ANR CI areas.   Under this PA2 endeavor, you initially planned the following activity, followed by the description of the activity and supporting documentation:

* Description-Invasive insects are arriving in Guam at a very high rate (estimates range as high as one new species per day). Very few of these are detected, and even 6 fewer are identified because Guam suffers from a taxonomic impediment. Even when reliable species determinations are made, new island records are only rarely documented in the scientific press. Thus, the impacts of invasive insects on Guam and elsewhere in Micronesia are grossly underestimated. One of my professional goals is to work towards solving this problem by increasing the detection rate, identifying specimens by qualified taxonomists, and publishing new island records in the scientific literature.
  + - Artifacts
      * iNaturalist was used to document new records for insects detected in Guam and other Micronesian Islands [1]. Four new island records for insects in Micronesia were documented in iNaturalist posts during the reporting period [2, 3, 4, 5].

*[1] Aubrey Moore. Search for new island records documented in iNaturalist since June 1, 2020 by Aubrey Moore. 2022. url: https:// www.inaturalist.org/observations?created\_d1=2020-06-01& place\_id=any&q=new&user\_id=aubreymoore&verifiable=any.*

*[2] Aubrey Moore. Suspected first island record for a whitefly infesting Euphorbia cyathophora on Guam. March 16, 2022. url: https : / /* [*www.inaturalist.org/observations/108690775. 7*](http://www.inaturalist.org/observations/108690775. 7)

*[3] Aubrey Moore. First island record for a Icerya imperatae infesting napier grass on Guam. December 14, 2021. url: https : / / www . inaturalist.org/observations/103065598.*

*[4] Aubrey Moore. First island record for Pericyma cruegeri attacking ame trees on Tinian. August 26, 2020. url: https : / / www . inaturalist.org/observations/57656025. [5] Aubrey Moore. First record for Xanthodes transversa attacking okra in Palau and Micronesia. June 3, 2020. url: https://www.inaturalist. org/observations/48501627.*

CE&O PA3 University of Guam Insect Collection

PA3 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA3 roles in supporting the ANR CI areas.   Under this PA3 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- The UOG insect collection is a valuable reference collection for extension entomology, teaching, and research. I am a member of the board of directors for the collection, and I work with Dr. Ross Miller to curate and catalog this collection. In 2018, I ported the digital catalog for the UOG Insect Collection from a CSIRO BioLink database to a more modern web-based Symbiota database, which is publicly available online [1]. I also established an internship to train entomology students how to curate an institutional insect collection and how to add specimen images to the digital catalog[2]. However, this work came to a halt because of space limitations. The facilities provided for the UOG insect collection are very poor. It is literally moth balled in a small storage room which is too small for essential equipment such as microscopes and cameras. Curation and digitization necessitates removing specimens from the collection and transporting them outdoors to a lab where there is working space and equipment.
  + Noted accomplishments or variances reported include:
    - * + Artifacts

Entomology Internship Training

CE&O PA4 Mitigation of Damage to Guam's Ecosystems by Invasive Species

PA4 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA4 roles in supporting the ANR CI areas.   Under this PA4 endeavor, you initially planned the following activity, followed by the description and documentation provided:

* Description- An ecological disaster is happening on Guam, especially in forest ecosystems. As an extension entomologist, I am tasked with providing solutions to problems caused by insect pests. Unfortunately, no known methods for effectively controlling CAS and CRB on Guam exist. Therefore, I spend much of my time and eort performing applied research to adequately control CAS and CRB so that restoration of Guam's forests can be attempted. Invasive species are rapidly degrading Guam's ecosystems. Brown tree snake which has extirpated Guam's forest birds, causing loss of ecosystem services they provided, such as seed dispersal, insect control and pollination. Cycad aulacaspis scale insect, ACS, which has killed more than 90% of Guam's endemic cycads, known locally as fadang. Fadang went from being the most abundant plant in Guam's forests in 2002 to being listed as an endangered species in 2015. Coconut rhinoceros beetle, CRB, which is killing coconut palms and palma brava throughout the island. These two palm species were the second and third most abundant trees in Guam's forest in 2002.
  + Noted accomplishments or variances reported include:
    - * + Artifacts

Applied research is reported in the Creative/Research/Scholarly: section 3.4 for CRB and section 3.6 for CAS.

CE&O PA5 National Plant Diagnostic Network (NPDN)

PA5 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA5 roles in supporting the ANR CI areas.   Under this PA5 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- I serve as the UOG Coordinator for the National Plant Diagnostic Network (NPDN). UOG receives about $15K per year from NPDN as a subrecipient of the Western Plant Diagnostic Network administered by UC Davis. Grant details are in sections 5.5, 5.6 and 6.1.
  + Noted accomplishments or variances reported include:
    - * + Artifacts

Participated in monthly conference calls.

Prepared and submitted annual reports.

Prepared a work plan and budget for FY2022.

Prepared a work plan and budget for FY2023-FY2026.

Attended the WPDN Annual Meeting in April 2022 via Zoom and made a presentation entitled The Invasive Species Problem on Guam *[1] Aubrey Moore. Biological Invasion of Guam's Forests. Guam Soil and Water Conservation Districts 2021 Educator's Symposium: Healthy Forests, Healthy Communities. Guam, July 30, 2021. url: https: //aubreymoore.github.io/albi345-slides/SWCD-2021-07-30/.*

CE&O PA6 Guam Invasive Species Advisory Committee (GISAC) and Guam Invasive Species Council (GISC)

PA6 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA6 roles in supporting the ANR CI areas.   Under this PA6 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- I am a founding member and regular participant in GISAC. President Underwood delegated me to represent UOG as a voting member of GISC and President Krise has reconfirmed my delegation.
  + Noted accomplishments or variances reported include:
    - * + Artifacts

I participated in GISAC and GISC meetings. On Wednesday, November 17, 2021, I participated in a Guam Legislature Public hearing concerning biosecurity issues. I provided both written and oral testimony. Participated in monthly conference calls.

Guam Invasive Species Management Plan Reviewer

CE&O PA7 Public Outreach: Internet

PA7 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA7 roles in supporting the ANR CI areas.   Under this PA7 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- Since the 1990s, I have built and maintained web sites to facilitate sharing information about insects in Micronesia. I created a wiki site to serve as an index to web resources I have developed (Available at https:// guaminsects.net/aubwiki2020). I will continue to use web sites to facilitate sharing information on Guam's insects.
  + Noted accomplishments or variances reported include:
    - * + Artifacts

Maintenance of Insects in Micronesia Website- https:// guaminsects.net/aubwiki2020

PA8 Public Outreach: Presentations

PA8 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA8 roles in supporting the ANR CI areas.   Under this PA8 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- Resources
  + Noted accomplishments or variances reported include:
    - * + Artifacts

References [1] Aubrey Moore. Biological Invasion of Guam's Forests. Guam Soil and Water Conservation Districts 2021 Educator's Symposium: Healthy Forests, Healthy Communities. Guam, July 30, 2021. url: https: //aubreymoore.github.io/albi345-slides/SWCD-2021-07-30/.

[2] Aubrey Moore. How Bad is Guam's Invasive Species Problem?: A Global Perspective. Marianas Terrestrial Conservation Conference. Guam, 2021. url: https : / / aubreymoore . github . io / top - 10 - most-costly-ias-mtcc/.

[3] Aubrey Moore. Presentation: Using harmonic radar to track the greater banded hornets to their nests so that they can be destroyed. Guam Beekeepers Association Meeting. Jeff;s Pirates Cove, Ipan, Guam, Dec. 2021.

[4] James J. Grasela and Aubrey Moore. Preliminary efforts to establish a continuous coconut rhinoceros beetle (CRB) cell line (Oryctes rhiniceros) (Coleoptera: Scarabaeidae). 2022. 12 [5] Aubrey Moore. The Invasive Species Problem on Guam. Western Plant Diagnostics Network Annual Meeting. Davis, California, Apr. 2022. url: https://aubreymoore.github.io/WPDN2022/.

CE&O PA9 Public Outreach: Miscellaneous

PA9 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA9 roles in supporting the ANR CI areas.   Under this PA9 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- Resources
  + Noted accomplishments or variances reported include:
    - * + Artifacts

References [1] Aubrey Moore. What are the ve worst invasive species on Guam that are likely to spread to other Micronesian islands? Submitted to the Micronesian Forester Newsletter. Apr. 2, 2022. url: https ://github.com/aubreymoore/guam-ias- bolo/raw/master/newsletter-submission.pdf.

CE&O PA10 Public Outreach: Public GitHub Repositories

PA10 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA10 roles in supporting the ANR CI areas.   Under this PA10 endeavor, you initially planned the following activity followed by the description and documentation provided:

* Description- I attempt to provide access to as much of my work as possible using public GitHub repositories. GitHub is a free service for backing up and sharing documents on the web.
  + Noted accomplishments or variances reported include:
    - * + Artifacts

Repositories which I have updated during the reporting period are listed in Table 1. Somewhere near the top of this list you will find a link to a repo called CFES2020-22. This repo contains the document and all previous versions of the document. I also use GitHub pages for serving static websites. A couple of good example sites are one which I created for my ALBI345 General Entomology course and one which is a List of Insects and Mites Attacking Crops in Micronesia.

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| **Part II. Period June 15, 2020, thru June 14, 2021 Creative/Research/Scholarly(CRS) – 34%** | | |
| **Planned Activity (PA.)** | NIFA Science Emphasis Areas (SEAs) | Knowledge Areas (KA.) |
| **Critical Issue (CI**) | **NIFA Science Emphasis Areas (SEAs))** | NIFA Knowledge Areas (KA.) |
| **CI-(Identify CI areas)** *Critical Issue –*  *Sustained Agricultural Production Systems - Plant/Pest Efforts & Protect Resources of Guam* | * Sustainable Agricultural Production Systems-Addresses human interaction between science, technology, and agriculture. Integrates the biological, physical, and environmental and socioeconomic factors essential to successful production enterprises and viable rural communities. | **Topic Areas:**   * Program and Project Support, and Administration, Education, and Communication * Plants and Their Systems   + Plant Protection   **Specific KA areas:**  KA 203 – Plant Biological Efficiency and Abiotic Stresses Affecting  KA 211 – Insects, Mites and Other Anthropods Affecting Plants  KA 215 – Biological Control of Pests Affecting Plants  KA 216 – Integrated Pest Management Systems  KA 901 Project, and Program Design, and Statistics  KA902 Administration of Projects and Programs |
| CRS1 Peer Reviewed Publications( N=4)  CRS2 Publications submitted for Peer Review (N=1)  CRS3 Journal Articles in Preparation (N=5)  CRS4 Coconut Rhinoceros Beetle (CRB) Biocontral  CRS5 Guam Biodiversity Inventory  CRS6 Cycad Aulacaspis Scale (CAS) Biocontrol  CRS7 Eight Spot Butterly (ESB) Conservation |
|  |

Planned Review Highlights- *Creative/Research/Scholarly highlights cover the following planned activities:*

CRS-PA1 Peer Reviewed Publications (N =4)

CRS-PA1 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA1 roles in supporting the ANR CI areas.   Under this CRS-PA1 endeavor, you initially planned the following activity followed by the documentation provided:

* Noted accomplishments or variances reported include:
  + - * Artifacts
        + Matthew S. Siderhurst, Aubrey Moore, Roland Quitugua, and Eric B. Chang. “Effects of Ultraviolet Light and Pheromone Release Rate in Trapping Coconut Rhinoceros Beetles, Oryctes rhinoceros (Coleoptera: Scarabaeidae), on Guam”. In: (Dec. 31, 2021). Accepted: 2022-01- 01T23:27:07Z Publisher: Hawaii Entomological Society. issn: 0073- 134X. url: http://scholarspace.manoa.hawaii.edu/handle/ 10125/81413 (visited on 01/02/2022).
        + Gloria Barrera, Sean Marshall, Aubrey Moore, and Trevor Jackson. Electron microscopy study confirms infection of coconut rhinoceros beetle (CRB-G) gut cells by OrNV -V23B. (Poster) Abstracts - 2021 International Congress on Invertebrate Pathology and Microbial Control & 53rd Annual Meeting of the Society for Invertebrate Pathology. Le Studium Conference (Virtual), Tours France. p 137. July 21, 2021. url: <https://www.researchgate.net/publication/353356673_ Electron_microscopy_study_confirms_infection_of_coconut_ rhinoceros_beetle_CRB-G_gut_cells_by_OrNV_-V23B_Poster_ Abstracts_-_2021_International_Congress_on_Invertebrate_ Pathology_and_Microbial_Control_5>.
        + Sean D. G. Marshall, G. Barrera, Laura F. Villamizar, Gideon Suda, Aubrey Moore, James J. Grasela, P. D. Scotti, and Trevor A. Jackson. “Production of Oryctes nudivirus (OrNV) through the DSIR-Ha-1179 Heteronychus arator cell line. (Poster) Abstracts - 2021 International Congress on Invertebrate Pathology and Microbial Control & 53rd Annual Meeting of the Society for Invertebrate Pathology. Le Studium Conference (Virtual), Tours France.” In: (June 21, 2021). doi: 10.13140/RG.2.2.30278.80963.
        + Donald D. Cave, Aubrey Moore, and Mark G. Wright. “Biological Control of the Cycad Aulacaspis Scale, Aulacaspis yasumatsui”. In: Contributions of Classical Biological Control to U.S. Food Security, Forestry, and Biodiversity. 2022. url: https://github.com/ aubreymoore/CAS/raw/main/Cave%20et%20al.%20-%20Biological% 20Control % 20of % 20the % 20Cycad % 20Aulacaspis % 20Scale % 20 . pdf.

CRS-PA2 Publication submitted for Peer Review (N =1)

CRS-PA2 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA1 roles in supporting the ANR CI areas.   Under this CRS-PA2 endeavor, you initially planned the following activity followed by the documentation provided:

* Noted accomplishments or variances reported include:
  + Artifacts
    - Aubrey Moore and Matthew Siderhurst. “Detecting Coconut Rhinoceros Beetle Breeding Sites Using Harmonic Radar”. In: ARPHA Preprints 3 (2022), ARPHA Preprints. doi: 10.3897/arphapreprints.e86423. url: <https://doi.org/10.3897/arphapreprints.e86423>.

CRS-PA3 Journal Articles in Preparation (N=5)

CRS-PA3 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA1 roles in supporting the ANR CI areas.   Under this CRS-PA3 endeavor, you initially planned the following activity followed by the documentation provided:

* Noted accomplishments or variances reported include:
  + Artifacts
    - [1] Aubrey Moore, N-Y Su, and Leonard Sigrah. “First Record of the Coconut Termite, Neotermes Rainbowi (Isoptera: Kalotermes) from Micronesia”. In: (In Preparation).
    - [2] Aubrey Moore. The Mariana Eight Spot Butterfly, Hypolimnas Octocula Marianensis.
    - [3] Aubrey Moore. “Three New Island Records for Bark Beetles (Curculionidae: Scolitinae) on Guam from a Single Coffee Berry Borer Trap”. In: (In Preparation).
    - [4] Aubrey Moore. *Change Analysis of Guam Forest Inventory Data.* [5] Aubrey Moore. Coconut Rhinoceros Beetle Invasion History. IN PREPARATION.
    - Aubrey Moore. Coconut Rhinoceros Beetle Invasion History. IN PREPARATION.

CRS-PA4 Coconut Rhinoceros Beetle (CRB) Biocontrol

CRS-PA4 aligns with the noted SEAs and NIFA topic and corresponding KA areas.  While the presentation is a general profile, the best match of activities describes the relevance of the PA1 roles in supporting the ANR CI areas.   Under this CRS-PA4 endeavor, you initially planned the following activity followed by the documentation provided:

* Noted accomplishments or variances reported include:
  + CRB Biocontrol Activity Artifacts-
    - Funding and Project Management-This is my largest and most important project, requiring a lot of time and effort for project management including preparation of grant proposals and reports. During the reporting period, funding was provided by 4 grants totaling $561,234: OIA-CRB [5.2], APHIS-CRB [5.1], FS-CRB [5.8], and FS-CRB-HR [5.7]. Details, including links to project proposals, work plans and progress reports are available in the grants section of this report.
    - Staffing Department of the Interior Office of Insular Affairs grant (OIA-CRB) supports Dr. James Grasela, an insect pathologist, and Christian Cayanan, a technician.
    - Establishment of a CRB Rearing Facility and Rearing Protocol Development of biocontrol for CRB-G will require laboratory bioassays using standardized, healthy lab-reared beetles of equivalent age. Previously, we used beetles collected from pheromone traps for this purpose. However, mortality in experimental control groups was highly variable, yielding irreproducible results.
    - Establishment of an Island-wide CRB Damage Monitoring System
    - International collaboration will be essential for finding a way to halt massive ecological and economic damage to Pacific islands invaded by CRB-G. A CRB-G Action Group was formed was formed to facilitate collaboration and cooperation. Prior to COVID, this group met annually at international scientific meetings. During COVID, I helped to keep the group together by hosting Zoom webinars with assistance from the UOG Office of Information Technology. I created web pages to facilitate access recordings of these webinars:
      * March 17, 2021 [7]
      * December 9, 2020 [8]
      * November 23, 2021 [9]

*Your CE&O highlighted areas of planned activities and actual work roles that are clearly articulated and aligns with the planned activities during this review period.*

* *Acquisition of grants and extramural funding. Evidence of securing grants and other sources of funding and resource support is acknowledged during this review.*
* *Teamwork and professional conduct are also acknowledged as part of your evidence with the noted collaborative research.*

**Part II. Period June 15, 2020 - June 14, 2021, Role Assignment University Service-15%**

Role Assignment Summary/Planned Review Highlights -

|  |  |  |
| --- | --- | --- |
| **Planned Activity (PA.)** |  |  |
| **UCSPA1. Undergraduate Instruction** | **NIFA Science Emphasis Areas (SEAs))** | **Topic Areas:** |
| **UCSPA2. Graduate Instruction** |  |
| **UCSPA3. Faculty Committees** |  |
| **UCSPA4.** |  |
|  |  |

**University Service -15%-**

Planned Review Highlights- *University Service highlights cover the planned following areas:*

**UCSPA1.**  Undergraduate Instruction

Under this UCSPA1 endeavor, you initially planned the following activity followed by the documentation provided:

* + - AL/BI 345 General Entomology **FANUCHÅNAN** 2021
  + **Special Project for Laura Caser, Biology** I am currently supervising biology student Laura Caser on a special project. She is recording and analyzing coconut rhinoceros beetle feeding sounds using a new bioacoustics sensor called TreeVibes.
  + **Summer Workshop on Mathematical Modelling** During June and July 2021, I assisted in teaching undergraduates and high school students in a summer workshop on mathematical modeling of ecological systems. The program was coordinated by Dr. Hyunju Oh, UOG Mathematics, and funded by three of her grants: GECCO Summer Math Research Experience (SMRE), National Research Experience for Undergraduates Program (NREUP), and Young Scholars Research Experience in Mathematics (YSREM). I provided lectures and assistance to teams of students modelling Invasion of the Coconut Rhinoceros Beetle (CRB) on Guam.
* Noted accomplishments or variances reported include:
  + - Artifacts
      * My lectures and resource materials were made available in GitHub web page at https://aubreymoore.github.io/SUMMA21/.

**UCSPA2**  Graduate Instruction

Under this UCSPA2 endeavor, you initially planned the following activity followed by the documentation provided:

* + - Environmental Science Graduate Faculty
  + Guest lecturer for EV Courses
  + Masters Committee Member
    - Chris Rosario Masters Committee Member
    - Matt Putnam, Biology

**UCSPA3 Faculty Committees**

Under this UCSPA3 endeavor, you initially planned the following activity followed by the documentation provided:

* + - **3.1 ALS Faculty Building Facilities Committee** 
      * Chair ALS Building Facilities Committee
        + Noted accomplishments or variances reported include:

Artifacts

The committee's biggest accomplishment during the reporting period was installation of Prometheus smart screens in ALS 124 and ALS 127.

* + - **3.2 Search Committee Member**
      * Restoration Ecologist Search Committee Member
        + Noted accomplishments or variances reported include:

Artifacts

* + - **3.3 Search Committee Member**
      * RCUOG Brown Tree Snakes Research Search Committee
        + Feb 2021: Research Associate I
        + Jun 2021: 2x Research Assistant I
        + Jul 2021: Research Associate I
        + Mar 2022: 2x Research Associate I
        + Noted accomplishments or variances reported include:

Artifacts

The committee's biggest accomplishment during the reporting period was installation of Prometheus smart screens in ALS 124 and ALS 127.

Your CE&O highlighted areas of planned activities and actual work evidence supporting roles are clearly articulated and align with the planned activities during this review period. Noted areas include:

* Peer Reviewed Publications
* Completed Extension Publications
* **Grants *applied for* during the review period**
* **Grants *awarded* during the review period**

**Part III. Topics to Address for June 14, 2021- June 15, 2022 Period**

**Role Assignments** **Percent of Time**

Extension & Outreach:            51%

Creative/Research/Scholarly:     34%

University Service: 15%

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**TOTAL**  **100%**

The above role assignment Part III. Areas of Role Assignment and the corresponding percent of time allocations have been discussed with you, and we recommend approval.

**Extension & Outreach:            51%**

CE&O Planned Activities (CE&O PA Series 1-11)

* CE&O PA1.
* CE&O PA2.
* CE&O PA3.
* CE&O PA4.
* CE&O PA5.
* CE&O PA6.
* CE&O PA7.
* CE&O PA8.

**Creative/Research/Scholarly:            34%**

* CE&O CRS PA1
* CE&O CRS PA2
* CE&O CRS PA3
* CE&O CRS PA4
* CE&O CRS PA5

**University Service:            15%**

CE&O University Service (CE&O US-PA Series 1-5)

* CE&O US PA1
* CE&O US PA2 Caylin McCormick Committee Member
* E&O US PA3
* CE&O US PA4

**Part IV. ESR Supporting Documentation and Approved 2021-2022 CFES Agreement Plan (AP.)**

* Your approved 2020-2021 CFES Agreement Plan (AP) and your 2021-2022 CFES ESR are attached to this follow-up evaluation report.
  + *CFES Part I & II Attachments Submitted on March 06, 2022*
  + *CFES Reflective Form July 12, 2020- July 2021*
* For the 2020-2021 reporting year, please submit all documentation pertinent to activities, accomplishments, programs, and emerging issues.
* Your approved Future Plan July 12, 2021-July 11, 2022, CFES Agreement Plan (AP.)

**Signature Page**

**Approval of Percent of Time Allocations**

**for the Period June 14, 2021 – June 15, 2022\***

**Role Assignments** **Percent of Time** (Based on Part III expanded PA Series)

Extension & Outreach:            51%

Creative/Research/Scholarly:     34%

University Service: 15%

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**TOTAL**  **100%**

Approval Signatures:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dr. Lee S Yudin, Dean, CNAS

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Peter R. Barcinas,

Interim Associate Dean/Director, Extension & Outreach

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Dr. Aubrey Moore, Cooperative Extension & Outreach

*\*Signature referenced to bring up to date CFES ESR reporting*