**Theme:** Critical Infrastructure Protection (CIP) for Energy Systems

**Focus:** Facilitate Research and Education in CIP for Energy Systems

**Stakeholders:** Universities, Industry, Public/Government Entities

**Leadership:** University Personnel, Full Members of the Consortium

**CIP:** Critical infrastructure refers to information technology systems, operational technology systems, and real-time monitoring and control systems, as well as other mission-critical hardware, software, and data required to create, operate, and maintain resilient, intelligent, and sustainable energy systems.
Consortium Management

Executive Council (Membership, Responsibilities):
• Co-Chairs: University President, dean of CECS
• Appropriate Senior Leader of each Full Consortium Member
• Consortium Director
• Other University Personnel (up to 3)
• Review/Approve Strategy, Operational Plans, RFPs and Projects.
• Decisions: Quorum (2/3 of Membership), 75% of Quorum for Approvals

Consortium Director (Qualifications, Responsibilities):
• Tenured member of the University, appointed by University President, dean of CECS
• Responsible for Operation of Consortium, Implementing Executive Council Decisions, Budget, Funding, Expenditures, Industry Liaison, Interfaces with Executive Council and Board

Board (Membership, Responsibilities):
• Each Full Consortium Member will have one representative on the Board
• Chair: Consortium Director
• Implements Executive Council Decisions, Reviews Funded Research Efforts (Quarterly)
Membership Details

**Membership Fee:**
- Each Full Consortium Member will pay an Annual Fee of at least $50k
- A Full Member can choose to pay a higher fee

**Membership Eligibility:**
- Industry, Public Sector, Government Entity with Interest and Expertise in the Focal Area of the Consortium
- Some Exceptions

**Membership Term:**
- Each Full Consortium Member will be a member for 3 years
- Termination of the Agreement requires 60-day notice in writing
Copyrights and Intellectual Property

Copyrights
• UCF retains copyright in UCF works. Member’s may receive a world-wide, non-exclusive, royalty-free commercial license via a separate license agreement.

Intellectual Property (IP)

UCF Inventions
• UCF retains the rights to inventions first conceived and reduced to practice solely by UCF.
• UCF may disclose inventions to Consortium Members in confidence.
• UCF shall grant a non-exclusive royalty free commercial license to consortium project inventions as requested by a Member. Member agrees to reimburse patent prosecution expenses.

Member Inventions
• Member retains rights to inventions first conceived and reduced to practice solely by Member

Joint Inventions
• Determined pursuant to U.S. patent law with joint ownership
**Next Steps**

**Recruit at least 2 More Members:**
- Agreement requires minimum of 3 members to initiate efforts
- Seek “founding members” to reach critical mass to begin

**Announce the Consortium:**
- Publicize to increase membership and awareness

**Identify the Director, Executive Council, Board:**
- Put in place leadership and strategic management teams responsible for implementation

**Move to Full Implementation:**
- Leadership initiates and launches consortium activities

**Expand Consortium:**
- Active effort to expand membership beyond founding members
**DAB Asks**

**Consider Membership:**
- DAB members should consider membership as founding members
- Founding members will have strong input in consortium design and direction

**Promote Awareness and Recruit:**
- Make other potential consortium members aware and recruit
Bigger Vision, Discussion, Q&A

Comments by Justin/Winston:

Discussion with DAB and Q&A:
Thank you