Bird and Bat Scientific Research Framework Workshop Agenda

March 4-5, 2020

March 4, 2020

9:00-10:15 am	**Purpose and Context**
	Welcome and Introductions *Kate McClellan Press, NYSERDA*
	Research Framework Purpose and Scope *Kate Williams, Biodiversity Research Institute*
	Workshop Design and Participation Ground Rules *Pat Field, Consensus Building Institute*
	Regulatory and Development Context *David Bigger, Bureau of Ocean Energy Management*
	Offshore Wind Developers Perspective *Various*
	Q&A
10:15 am- 12:55 pm	**Overview of Current Knowledge**
	European Review: Seabird Displacement and Barrier Effects *Ib Krag Petersen, Aarhus University*
	European Review: Seabirds and Collision Risk *Aonghais Cook, British Trust for Ornithology*
	BREAK (15 min)
	Seabird Distribution and Abundance Data *Arliss Winship, NOAA NCCOS & CSS*
	Seabird Movements and Finer-scale Habitat Associations in the Northwest Atlantic *Pam Loring, U.S. Fish & Wildlife Service*
	Migration of Terrestrial Birds in the Offshore Environment *Andrew Farnsworth, Cornell Lab of Ornithology*
	Bats and Offshore Wind *Trevor Peterson, Stantec*
	Q&A & Discussion
12:55-1:30 pm	**LUNCH**
1:00-5:30 pm	**Developing Hypotheses and Identifying Study Methods**
	Overview of Data Collection Methods: Displacement, Barrier effects, Habitat effects *Andy Webb, HiDef Aerial Surveying*
	Existing, New, and Emerging Technologies for Measuring Collisions *Jocelyn Brown-Saracino, Department of Energy*
	Analytical and Statistical Approaches for Testing Hypotheses *Andrew Farnsworth, Cornell Lab of Ornithology*
	Discussion: Generating Potential Research Questions and Hypotheses
	BREAK (30 min)
	Preliminary Review of Hypotheses/Questions
	Discussion of existing data and potential methods for hypothesis-testing
	Reflections on Day 1 and Overview of Day 2
5:30 pm	**ADJOURN**

March 5, 2020

9:00-9:15 am	**Review and Synthesis of Day 1** *Pat Field, Consensus Building Institute*
9:15-11:00 am	**Preliminary Experimental Design for Hypotheses**
	Collisions
	Behavioral and Physiological Change
	Q&A
	BREAK (15 min)
11:00 am- 12:30 pm	**Further Development of Hypotheses and Study Methods: Round 1**
	Breakout Groups by Type of Effect *The aim of this first breakout is to define hypotheses and potential methods, including defining the relevant development phase, study taxa, impact to be measured, and study methods.*
	Report Back and Group Discussion
12:30-1:30 pm	**LUNCH**
1:30-3:15 pm	**Further Development of Hypotheses and Study Methods: Round 2**
	Breakout Groups by Study Method *The aim is to take the outputs from the first round of breakout groups and divide by study method to discuss whether hypotheses are testable based on available methods and to discuss study design.*
	Q&A & Discussion
	BREAK (15 min)
3:15-4:15 pm	**Final Discussion**
4:30 pm	**ADJOURN**

March 6: Smaller group of subject matter experts continue discussions

- Review of outcomes from March 4-5
- Continued discussions to fill in gaps
- Development of a refined list of hypotheses and methods considerations
- Group elicitation exercises on hypothesis prioritization and testability