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EL19-003 – In the Matter of the Application by Crowned Ridge Wind, LLC for a Permit of a Wind Energy Facility in Grant and Codrington Counties

Pre-filed Testimonies and Exhibits; Supplemental Testimonies and Exhibits and Rebuttal Testimonies and Exhibits

Crowned Ridge Wind, LLC

- 01/30/19 - Pre-filed Testimony
 - Pre-filed Testimony of Jay Haley
 - Pre-filed Testimony of Kimberly Wells, PH.D.
 - Pre-filed Testimony of Mark Thompson
 - Pre-filed Testimony and Exhibits of Tyler Wilhelm and Sam Massey
- 04/09/19 - Crowned Ridge Wind, LLC's Letter regarding Supplemental Testimony
 - Supplemental Testimony of Mark Thompson
 - Supplemental Testimony of Jay Haley
 - Exhibit 1 – Supplemental Material That Updates Sound Study to Reflect Landowner Participation Status
 - Exhibit 2 – Tables: Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID
 - Exhibit 3 – Supplemental Material That Updates Shadow/Flicker Study to Reflect Landowner Participation Status
 - Supplemental Testimony of Tyler Wilhelm and Sam Massey
 - Supplemental Testimony of Christopher Ollson
 - Exhibit 1 – Christopher Ollson Curriculum Vitae
 - Exhibit 2 – “Health Effects and Wind Turbines: A Review of the Literature,” Knopper & Ollson
 - Exhibit 3 – “Effects of Wind Turbine Noise on Self-Reported and Objective Measures of Sleep,” Michaud et al.
 - Exhibit 4 – “Impact of Wind Turbine Sound on Annoyance, Self-Reported Sleep Disturbance and Psychological Distress,” Bakker et al.
 - Exhibit 5 – “Before-After Field Study of Effects of Wind Turbine Noise on Polysomnographic Sleep Parameters,” Jalai et al.
 - Exhibit 6 – “Health-based Audible Noise Guidelines Account for Infrasound and Low-Frequency Noise Produced by Wind Turbines,” Berger et al.
 - Exhibit 7 – “Measurement and Level of Infrasound From Wind Farms and Other Sources,” Turnbull et al.
 - Exhibit 8 – “Wind Turbines and Health, A Critical Review of the Scientific Literature,” McCunney et al.
 - Exhibit 9 – “Low-frequency Noise Including Infrasound From Wind Turbines and Other Sources,” Baden-Wurtttemberg
 - Exhibit 10 – “Wind Turbines and Human Health,” Knopper et al.
 - Exhibit 11 – “Exposure to Wind Turbine Noise: Perceptual Responses and Reported Health Effects,” Michaud et al.
 - Exhibit 12 – “Estimating Annoyance to Calculated Wind Turbine Shadow Flicker is Improved When Variables Associated with Wind Turbine Noise Exposure are Considered,” Voicescu et al.
 - Exhibit 13 – “Notes on the Identification and Evaluation of Optical Emissions from Wind Turbines,” (in German) Landerausschuss fur Immissionsschutz
 - Exhibit 14 – “Wind Turbines and Photosensitive Epilepsy,” Epilepsy Society
 - Exhibit 15 – “Wind Turbines, Flicker, and Photosensitive Epilepsy: Characterizing the Flashing That May Precipitate Seizures and Optimizing Guidelines to Prevent Them,” Harding et al.
 - Exhibit 16 – “Potential of Wind Turbines to Elicit Seizures Under Various Meteorological Conditions,” Smedley et al.

- Exhibit 17 – “Update of UK Shadow Flicker Evidence Base,” Department of Energy and Climate Change
- Certificate of Service
- 04/10/19 - Crowned Ridge Wind, LLC's Letter regarding Supplemental Testimony
- Direct Testimony of Kimberly Wells, Ph.D. Adopted by Sarah Sappington
- Certificate of Service

Intervenors

- 05/10/19 - Testimony of Allen Robish
- 05/10/19 - Affidavit of John Thompson and Correspondence
 - Certificate of Service

Staff

- 05/10/19 - Staff Pre-filed Direct Testimonies
 - Pre-filed Direct Testimony of Paige Olson
 - Exhibit_PO-1 - Resume
 - Pre-filed Direct Testimony of David Hessler
 - Exhibit_DMH-1 - Resume
 - Exhibit_DMH-2 - Turbines Impacting Non-Participating Residences Noise Levels
 - Pre-filed Direct Testimony of Tom Kirschenmann
 - Exhibit_TK-1 - Resume
 - Exhibit_TK-2 - Effect of Wind Energy Development on Breeding Duck Densities in the Prairie Pothole Region
 - Exhibit_TK-3 - Effects of Wind-Energy Facilities on Breeding Grassland Bird Distributions
 - Pre-Filed Direct Testimony of Darren Kearney
 - Exhibit_DK-1 - Resume
 - Exhibit_DK-2 - Crowned Ridge Wind, LLC's Responses to Staff Data Requests
 - Exhibit_DK-2 - Crowned Ridge Wind, LLC's Responses to Staff Data Requests Confidential (not available to the public)
 - Exhibit_DK-3 - Intervenors' Responses to Staff Data Requests
 - Exhibit_DK-4 - South Dakota Department of Health Letter
 - Exhibit_DK-5 - Commission Staff Letter to SD DENR
 - Exhibit_DK-6 - SD DENR Response Letter to Commission Staff
 - Exhibit_DK-7 - Map of Crowned Ridge and Dakota Range Wind Turbines
 - Exhibit_DK-8 - Intervenors' Recommended Permit Conditions
 - Certificate of Service

Rebuttal Testimonies

Crowned Ridge Wind, LLC

- 05/24/19 - Rebuttal Testimony of Mark Thompson
 - Exhibit_MT-R-1 - GE Power and Water - Original - Technical Documentation Wind Turbine Generator Systems 1&2MW Platform - 50/60 Hz Confidential (not available to the public)
 - Exhibit_MT-R-2 - Applicant's Response to Staff Data Request 5-2
 - Exhibit_MT-R-3 - GE Recommendation "Setback Consideration Generic xxHz EN r04"
 - Certificate of Service for Non-Confidential
 - Certificate of Service for Confidential
- Rebuttal Testimony of Chris Ollson
 - Exhibit_CO-R-1 - Noise Annoyance in Canada
 - Exhibit_CO-R-2 - The UK National Noise Attitude Survey 1999/2000 - Noise Forum Conference 20 May 2002
 - Exhibit_CO-R-3 - The Association Between Self-Reported and Objective Measures of Health and Aggregate Annoyance Scores Toward Wind Turbine Installations
 - Exhibit_CO-R-4 - An Assessment of Quality of Life Using the WHOQOL-BREF Among Participants Living in the Vicinity of Wind Turbines
 - Exhibit_CO-R-5 - The Effects of Environmental and Classroom Noise on the Academic Attainments of Primary School Children

- Exhibit_CO-R-6 - Low-frequency Noise Incl. Infrasound From Wind Turbines and Other Sources
- Exhibit_CO-R-7 - The Pattern of Complaints about Australian Wind Farms Does Not Match the Establishment and Distribution of Turbines: Support for the Psychogenic, 'Communicated Disease' Hypothesis
- Certificate of Service
- Rebuttal Testimony of Andrew Baker
 - Exhibit_AB-R-1 - Qualifications
 - Exhibit_AB-R-2 - Valbridge Property Advisors - Value Impact Study Report
 - Exhibit_AB-R-3 - The Windy City: Property Value Impacts of Wind Turbines in an Urban Setting
 - Certificate of Service
- Rebuttal Testimony of Dr. Robert McCunney
 - Exhibit_RM-R-1 - Curriculum Vitae
 - Exhibit_RM-R-2 - Guidelines for the Diagnosis and Management of Asthma
 - Exhibit_RM-R-3 - The Scope for Biased Recall of Risk-Factor Exposure in Case-Control Studies: Evidence from a Cohort Study of Scottish Men
 - Exhibit_RM-R-4 - The Placebo and Nocebo Phenomena: Their Clinical Management and Impact on Treatment Outcomes
 - Exhibit_RM-R-5 - Nocebo Effect of Informed Consent in Interventional Procedures
 - Exhibit_RM-R-6 - The Nocebo Effect in the Context of Statin Intolerance
 - Exhibit_RM-R-7 - Fright Factors About Wind Turbines and Health in Ontario Newspapers Before and After the Green Energy Act
 - Exhibit_RM-R-8 - The Pattern of Complaints about Australian Wind Farms Does Not Match the Establishment and Distribution of Turbines: Support for the Psychogenic, 'Communicated Disease' Hypothesis
 - Exhibit_RM-R-9 - Can Road Traffic Mask Sound from Wind Turbines? Response to Wind Turbine Sound at Different Levels of Road Traffic Sound
 - Certificate of Service
- Rebuttal Testimony of Richard Lampeter
 - Exhibit_RL-R-1 - Curriculum Vitae
 - Exhibit_RL-R-2 - Wind Turbine Health Impact Study: Report of Independent Expert Panel - January 2012
 - Exhibit_RL-R-3 - Assessing Sound Emissions From Proposed Wind Farms & Measuring the Performance of Completed Projects
 - Exhibit_RL-R-4 - Noise Control Engineering Journal - March-April 2011
 - Certificate of Service
- Rebuttal Testimony of Sarah Sappington
 - Exhibit_SS-R-1 - Maps
 - Certificate of Service
- Rebuttal Testimony of Jay Haley
 - 05/28/19 - Exhibit_JH-R-1 - Crowned Ridge Wind Farm Shadow Flicker Iso-Lines Overview Map
 - Certificate of Service
 - 05/28/19 - Exhibit_JH-R-2 - Crowned Ridge Wind Farm Sound Pressure Iso-Lines Overview Map
 - Certificate of Service
 - Exhibit_JH-R-3 - Crowned Ridge Sound Level Tabular Results Sorted by Sound Level Realistic
 - Exhibit_JH-R-4 - Crowned Ridge Sound Level Tabular Results Sorted by Sound Level (16 Turbines Removed)
 - Exhibit_JH-R-5 - Crowned Ridge Sound Level Tabular Results Sorted by Receptor ID Realistic
 - Certificate of Service
- Rebuttal Testimony of Tyler Wilhelm and Sam Massey
 - Exhibit_TW-SM-R-1 - Letter From Dennis Schmeling
 - Exhibit_TW-SM-R-2 - Updated Maps
 - Certificate of Service

- 05/2819 - Crowned Ridge Wind, LLC's for Tyler Wilhelm and Sam Massey's Rebuttal Testimony Exhibits 1 and 2 Amended Certificate of Service