TOPIC	Summary Statement	Potential Action for Discussion	
Setback to Dwelling	Current language requires a 1,000 foot setback to the	Require	e that:
-	property line of existing dwellings not associated with	1)	The setback shall be 1,000 feet or 3 times the hub height
	the project. The large variation of lot size in the AG		plus the rotor radius, whichever is greater, to the closest
	district means some dwellings may sit upon a very large		exterior wall of any non-participating dwelling unit.
	parcel with the dwelling at the far end while others may		
	sit on a much smaller parcel with the dwelling located	2)	For non-participating dwelling unit on a lot of less than
	close to the property line. Measuring to the dwelling is a		10 acres, then the setback of 1,000 feet or 3 times the
	more consistent method. A setback of specific distance		hub height plus the rotor radius, whichever is greater,
	does not take into account differences in height of the		shall be measured to the property line.
	turbines. For example, the visual impact of a 300 foot		
	turbine is different than a 475 foot turbine. So many	3)	The setback shall be 1,000 feet to the closest exterior
	communities have include both a minimum setback and		wall of any participating dwelling unit.
	a setback based on height and used the greater distance.		
	The increased distance reduces the visual impact,		
	shadow flicker impact and the risk of ice throw. While		
	distance does reduce noise, the primary measure for		
	noise should be a noise standard (see below). The		
	setback assists in noise reduction, but it will only be		
	pertinent for noise reduction where the ambient		
	background noise might be higher already, such as along		
	a highway. The noise standard will be the primary		
	measure for addressing any noise impacts.		
Setback to Right of	The purpose of this requirement is to provide for a		e that setbacks to any public or private roadways shall be
Way	"worst case scenario" of a tower falling over as a tree	no less	than the hub height plus the rotor radius of the CWECS.
	does when felled. In general towers are highly unlikely		
	to fall over in this manner, and when failures have		
	occurred they rather occur as a collapse of the tower.		
	There are over 45,000 CWECS in the United States and		
	there are less than a dozen incidents of a complete		
	collapse event, according to industry experts. The		
	setback of the full CWECS height is recommended by the		
	County Engineer to be maintained when adjacent to		
	public right-of-way in order to assure public safety and		
	clear passage of traffic.		

Setback to Special Permit Boundary	This setback is necessary for circumstances where there is not an existing dwelling on the adjacent non- participating property. If the adjacent lot is primarily for residential use (less than 10 acres) then the setback to the vacant lot should be larger.	 Require that: Setbacks to the external boundary of the special permit area shall be no less than the hub height plus the rotor radius of the CWECS, except that the owner of the adjacent property may sign an agreement allowing that setback to be reduced to the rotor radius plus the setback of the district. For a vacant non-participating lot of less than 10 acres, then the setback shall be 1,000 feet or 3 times the hub height plus the rotor radius, whichever is greater, measured to the property line.
Noise	Noise from wind turbines has been shown to be a significant concern and source of investigation. Recent research papers and studies on wind turbine noise and potential health impacts indicate that noise from wind turbines causes annoyance which can lead to sleep disturbance. In considering how to establish wind turbine noise level limits for dwellings, the Lincoln/Lancaster County Health Department (LLCHD) only considered potential negative public health impacts. In addition, the LLCHD believes that all persons should be afforded, regardless of lease agreements, the same level of public health protection.	 No CWECS or combination of CWECS machine(s) shall be located as to cause an exceedance of the following as measured at the closest exterior wall of any dwelling located on the property. For both participating and nonparticipating properties: From the hours of 7 am to 10 pm: Forty (40) dBA maximum 10 minute Leq or; Three (3) dBA maximum 10 minute Leq above background level as determined by a preconstruction noise study. The background level shall be a Leq measured over a representative 15 hour period. From the hours of 10 pm to 7 am: Thirty-seven (37) dBA maximum 10 minute Leq above background level as determined by a preconstruction noise study. The background level shall be a Leq measured over a representative 15 hour period.

Noise Studies	The purpose of noise studies is to provide data that will be used to assess potential public health impacts and compliance with the noise limits established in the county resolution.	A pre-construction noise study on property with a dwelling within one mile of a tower support base shall be required. The protocol and methodology for such studies shall be submitted to the Lincoln-Lancaster County Health Department for review and approval. The results of such studies shall be submitted to the Lincoln-Lancaster County Health Department for review. Prior to the commencement of construction of any CWECS
		machine, pre-construction noise monitoring may be conducted to determine ambient sound levels in accordance with procedures acceptable to the Lincoln-Lancaster County Health Department.
		At the discretion of the County Board, post-construction noise level measurements may be required to be performed in accordance with procedures acceptable to the Lincoln-Lancaster County Health Department.
Noise Complaints	Noise complaints post-construction must be considered to be a potential outcome with a procedure established on how to address noise complaints. A process is proposed that directs complaints to the Lancaster County Board for their consideration	All noise complaints regarding the operation of any CWECS shall be referred to the County Board. The County Board shall determine if noise monitoring shall be required to determine whether a violation has occurred.