

Subject Mt Haley Planning Commission

Special Meeting –

April 25, 2018

Present – David Wassmann, Norman Jardis, Irene Peck, Deanna McClintic, Ken Brown. Absent – None.

Others – Todd Beougher, Bob Radosa, Ryan Garrett, Peter Sinclair, Mel Garrett, Robert McClintic, Clint Breasbois, Edward Greenwood, Michael Sage, Chet Hodges, Steven Mayer, John Gleason, Judy Weber, Kelly Prast, Tim Prast, Dennis Richnak, Ron Perry, Dennis Varner, Dwight Clapp, Ron Clapp, Lee Glazier, James Kindy, Chloe Kindy, Isaac Kindy, Shelly Kindy, Mike Keenan, Mary Pat and George Siler, Steve Siler, Mary Kay and Fred Siler, Ken and Ruth Coppens, Don Terwillegar, Richard Wietfelt, Jack Terwillegar, Jim Terwillegar, Ken Kaliski, Jason Hannath.

The meeting was called to order by Chairman, Wassmann. The Pledge to the Flag was recited. Minutes of the March 7, 2018 meeting were read. Items in Mike Sage's presentation were #2. They (turbines) for "tax" depreciation "10" years not 9 to 30% as stated. Jardis made a motion, McClintic seconded to accept March 7, 2018 minutes as corrected. M/C Motion by Jardis, seconded by McClintic to approve the agenda. M/C Wassmann told rules for speaking at this meeting and asked for public comment. There was none.

Guest speaker, Ken Kaliski, a Civil Engineer and one of the top people in the world on noise/wind sound spoke to us.

Items covered:

Ordinance should contain sound level, time and location (where measured from). Noise does affect people. The level we state will be constant for 1 (one) hour of time.

Key dB – decibels

dB(A) - low frequency

L – sound level e.g. L10 noise level exceeding 10% of the time

Lmax – maximum noise measured (not used in wind energy measurement)

Leq – sound level over a given period of time e.g. one hour. Leq1 any noise level over 1 hour of time

1. Sound level – expressed in d-decibels and level.

Average time – usually based on a year for averages.

e.g. 30-90 dB - humans during a day

50 dB – insects in spring

38 dB - air conditioner

20 dB – winter night, low wind

30+ dB – winter night, wind blowing

50-55 dB – most human speech

Usually no health impact at 45 dB. If noise is 120+ dB impact to human hearing and need to wear protection. Industry if 85+ dB for over 8 hours will also need to wear protection. If 45 dB at dwelling, turbine would need to be 1300 feet away.

2. Time – can be length of or time of day.

3. Location – usually measured from a dwelling. Dwelling is more important due to human sleep disturbance. Turbine company does the sound study to determine the distance for 45 dB at dwelling. EPA guidelines are 45 dB night and 55 dB day.

4. Noise Annoyances – thumping of turbines may be heard at ground level on a windy day and is usually bothersome if noise is over 46 dB. If noise is less than 20 dB humans seldom hear the noise. People moving into an area are likely to be more annoyed, than those who are living there. If you do not like wind turbines or wind generation, you may be more bothered by the noise than those who do not mind having them in the area.

Resumed Planning business meeting.

Old business – trailer house issue settled.

Peck handed out Table III and information on board members.

No reply from Eggers.

New Business – Meeting scheduling to end of 2018 with additional special meetings added as needed.

Special meetings at 6:30 Wednesday May 2 and Thursday May 10. Regular meeting at 6:30 Wednesday will be June 6 and Town Hall Meeting will be June 20 at 7:00 pm. Other meeting scheduled for 2018 at 6:30 are July 11, August 1, September 5, October 3, November 7, December 5. ** All above dates have been approved for hall use by Planning.

Items we still need to cover are Shadow Flicker, Sound Pressure Level, Decommissioning.

Brown reported he visited the DTE turbine office in Breckenridge. A few of the things he learned were ice builds on blades of turbines nearest the hub first not at the end. If blades get too heavy turbine shuts down. They estimate at 10 am the amount of power that will be produced the following day and that is offered for sale the next day of the futures. Turbines are built to fall within a radius of 1000 ft. He is questioning who polices them after completion? Brown talked to people living near turbines and they said sound from them was not an issue.

In review the Planning Commission looked at our addition to the Master Plan in February 21, 2018 minutes. We slightly rearranged the wording to say, “Wind Energy Systems may be considered to preserve agricultural land for farm use.”

In Eggers draft we also commented:

Page 3 3. b. change 1.5 to 1.0

Page 6-7 3.g. we need to spend a meeting deciding on numbers

Page 7 6.a. per DEQ and other State Guidelines

Page 8 7. a. add - and kept painted as such

8.b. See “Oliver Township” policies

Page 9 10.a. add – “internet” to the listing

11.b. add – no flicker within 100 feet of dwelling.

If you have any items to add to the Agenda, get them to Wassmann this week.

Public commented they were glad to hear experts speak, listen to public comments and want us to continue to inform them.

Motion by Jardis, seconded by Peck to adjourn meeting. M/C

Meeting adjourned at 9:00 pm.

Irene Peck Secretary