Alliant Energy Columbia Wind Project

The following Interactive GPS maps identify sites and Sound and Light Flicker impacts. The maps were sourced from the Columbia Wind project application and reflect the 47 wind turbine sites (including alternate sites) for sound and light flicker.
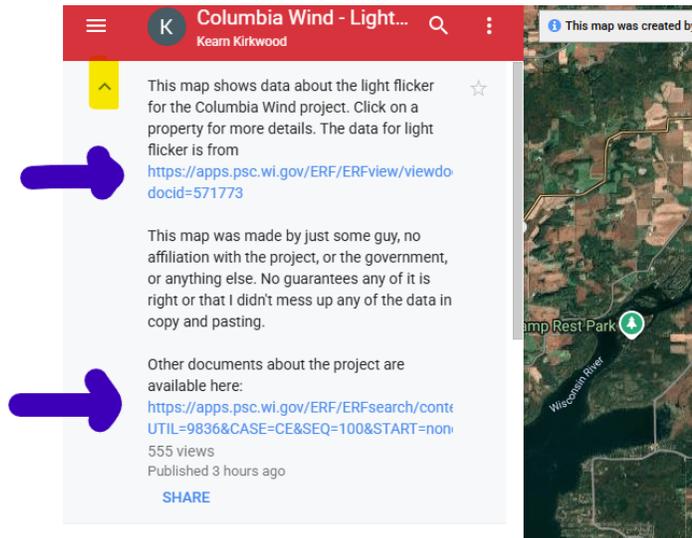
- o **GPS - Sound Impacts**
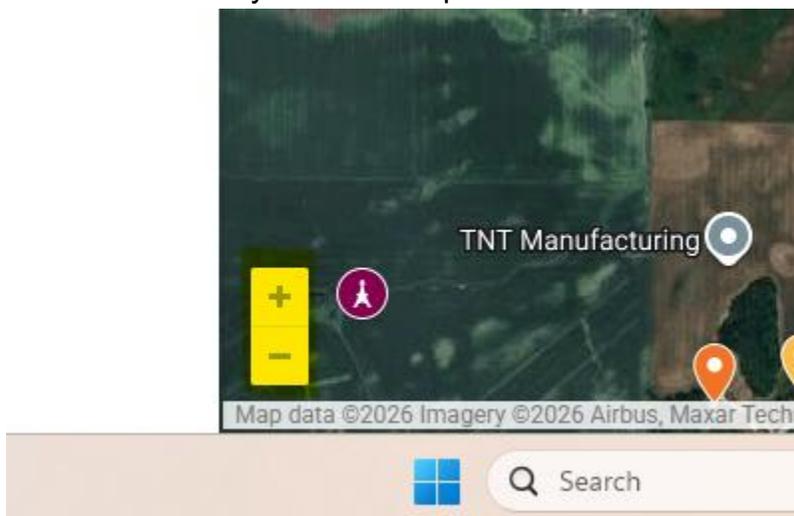- o **GPS - Light Flicker Impacts**

Disclaimer –

These maps were developed by some guy with no affiliation with the project, the government, or anything else. There is no guarantee for this information, and this information was not validated or audited. Please use this information at your own risk/discretion.
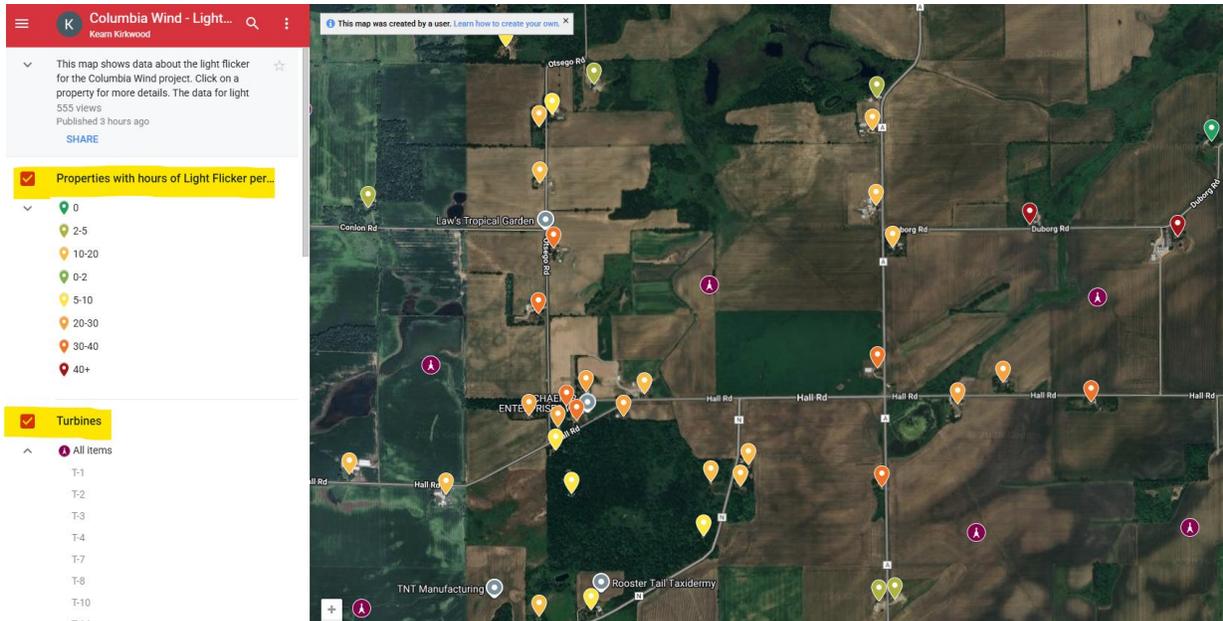
General Instructions -

- Click on GPS link
- For data source and Alliant Energy Public Service Commission application
  - o Click on carrot to expand
  - o Click on links to data source or PSC application

- To zoom in or zoom out click on '+' or '-' or hold CTRL key on your keyboard and scroll with your mouse up or down.

- Check Properties to display all residences and buildings
- Check Turbines to display all wind turbine locations

How to interpret the Sound and Light Flicker impacts –
- Compliance standards -
  - Sound Compliance from wind turbine to residences/buildings
    - 45hz or less 10pm-6am
    - 50hz or less all other times
  - Light Flicker from wind turbine to residences/buildings
    - 30 hours or less
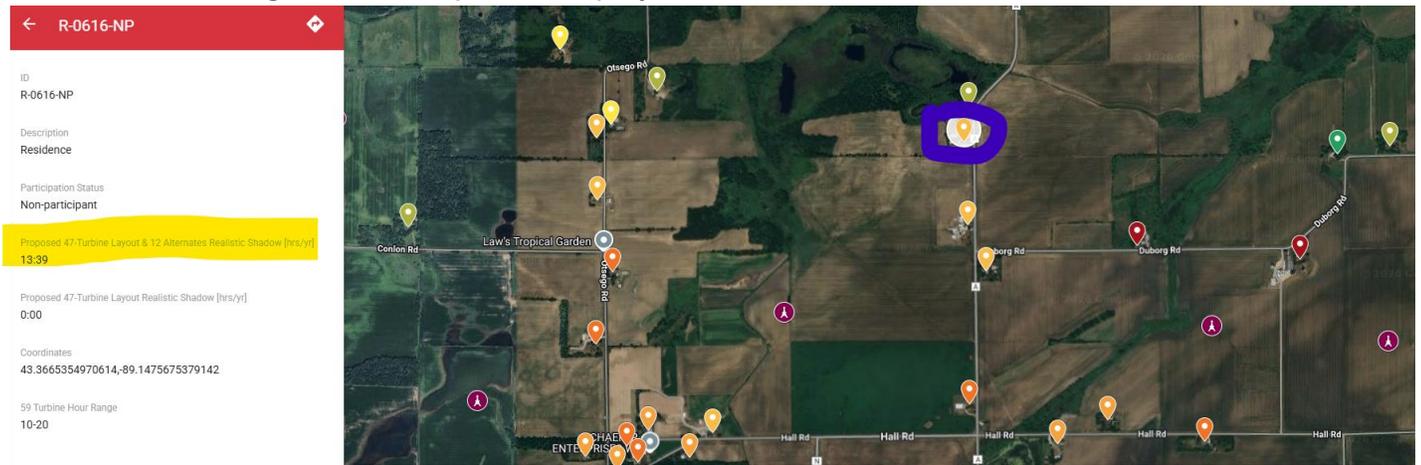- Properties color-coded by hours of Light Flicker and Sound Levels.

Properties with sounds levels
- 30.7 - 32.9
- 33 - 34.4
- 34.5 - 35.8
- 35.9 - 37.3
- 37.4 - 38.7
- 38.8 - 40.1
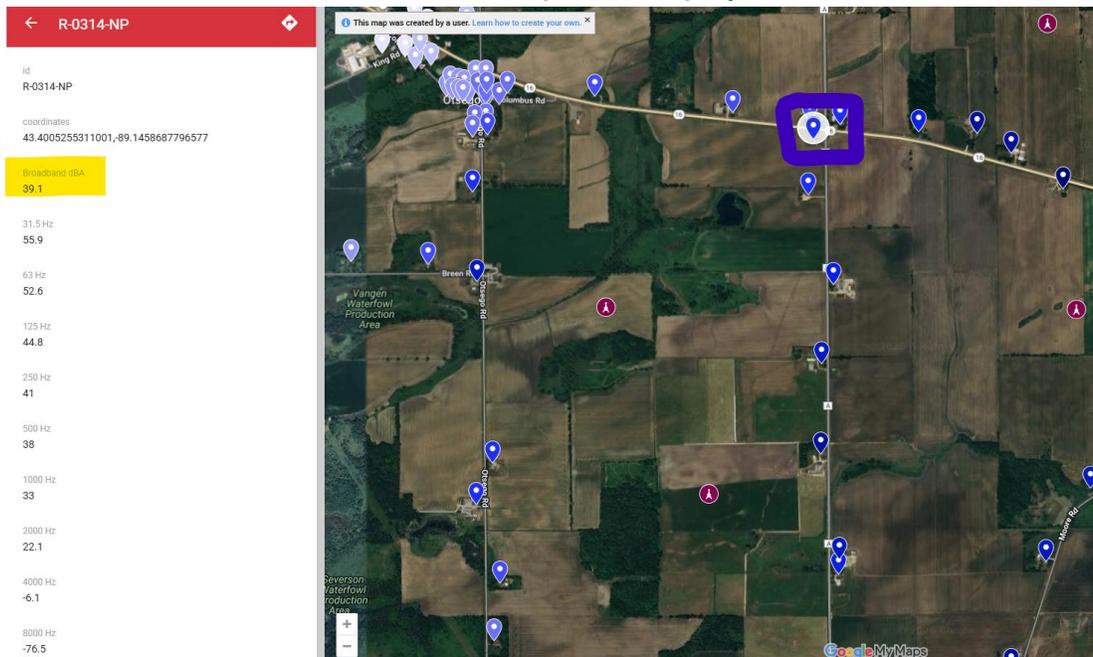- 40.2 - 41.6
- 41.7 - 43
- 43.1 - 44.4
- 44.5 - 46.7

Properties with hours of Light Flicker per...
- 0
- 2-5
- 10-20
- 0-2
- 5-10
- 20-30
- 30-40
- 40+

- Click on a property (tear shapes on the map). For this example location, sound and light flicker are within compliance.
    - Light Flicker impact is displayed as in hours

    - Broadband Sound impact is displayed as Hertz

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Version 1.24.26