

# Site Hazard

source: [ascehazardtool.org](http://ascehazardtool.org)

input: site address

## Site

- Address: 1600 Center Ave, Janesville, Wisconsin, 53546
- Elevation: 0 ft (NAVD 88)
- Lat: 42.656684
- Long: -89.031854
- Standard: ASCE/SEI 7-22
- Risk Category: II ✓
- Soil Class: D - Stiff Soil ✓

## Wind

- Wind Speed: 107 Vmph **I WOULD USE 115 MPH FOR DESIGN**
- 10-year MRI: 74 Vmph
- 25-year MRI: 81 Vmph
- 50-year MRI: 86 Vmph
- 100-year MRI: 91 Vmph
- 300-year MRI: 100 Vmph
- 700-year MRI: 107 Vmph
- 1,700-year MRI: 115 Vmph
- 3,000-year MRI: 120 Vmph
- 10,000-year MRI: 129 Vmph
- 100,000-year MRI: 148 Vmph
- 1,000,000-year MRI: 168 Vmph

## Earthquake

- SS: 0.11
- S1: 0.06
- SMS: 0.15
- SM1: 0.13
- SDS: 0.099
- SD1: 0.086
- TL: 12
- PGAM: 0.059
- VS30: 260
- Seismic Design Category: B
- Note: Where values of the multi-period 5%-damped MCER response spectrum are not available from the USGS Seismic Design Geodatabase, the design response spectrum shall be permitted to be determined in accordance with Section 11.4.5.2

## Ice

- Thickness: 0.87 in.

- Concurrent Temperature: -5 F
- 3-s Gust Speed: 48 mph

## Snow

- Ground Snow Load, pg: 53 lb/ft<sup>2</sup>
- 20-year MRI Value, pg: 18.63 lb/ft<sup>2</sup>
- Winter Wind Parameter, W2: 0.55
- Mapped Elevation: 814.3 ft
- Ground Snow Loads for IRC only, pg(asd): 37.1 lb/ft<sup>2</sup>

THIS IS 30 PSF FOR THIS AREA

## Rain

- 15-Minute Rainfall Intensity: 6.45 in./h
- 60-Minute Rainfall Intensity: 3.08 in./h

## Tsunami

Not in mapped tsunami design zone.

## Tornado

Not Applicable to Risk Category 2