

APPENDIX 3.16-1

Horse Heaven Wind Farm's
Proximity to other Environmental
Stressors

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Proximity to other Environmental Stressors

Table 3.16-1A provides additional information regarding additional environmental justice indexes, including traffic proximity, superfund proximity, hazardous waste proximity, underground storage tanks counts, and wastewater discharge toxicity, for the census block groups that intersect with or are adjacent to the Lease Area in the Horse Heaven Wind Farm study area.

According to the U.S. Environmental Protection Agency Environmental Justice Screening and Mapping Tool (EJ Screen) data, the “Value” and “State Average” columns in **Table 3.16-1A** for each of these environmental stressors are defined as follows:

- Traffic proximity - Count of vehicles (annual daily traffic) at major roads within 500 meters, divided by distance in meters (not km)
- Superfund proximity - Count of proposed superfund sites within 5 km (or nearest one beyond 5 km), each divided by distance in kilometers
- Hazardous waste proximity - Count of hazardous waste facilities within 5 km (or nearest beyond 5 km), each divided by distance in kilometers
- Underground storage tanks (USTs) - Count of leaking UST (LUSTs) (multiplied by a factor of 7.7) and the number of USTs within a 1,500-foot buffered block group
- Wastewater discharge – Risk Screening Environmental Indicators modeled toxic concentrations at stream segments within 500 meters, divided by distance in kilometers (km)

Table 3.16-1A: Environmental Justice Indexes for the Census Block Groups that Intersect with or Located Adjacent to Project Lease Boundary

Environmental Stressors	Census Block Group	Value	State Average
Traffic Proximity (daily traffic count/distance to road)	Census Tract 108.07, Block Group 1	83	740
	Census Tract 108.14, Block Group 1	57	
	Census Tract 115.01, Block Group 1	2.3	
	Census Tract 115.06, Block Group 1	8.9	
	Census Tract 116, Block Group 1	3.4	
	Census Tract 118.01, Block Group 3	89	
Superfund Proximity (site count/km distance)	Census Tract 108.07, Block Group 1	0.061	0.18
	Census Tract 108.14, Block Group 1	0.048	
	Census Tract 115.01, Block Group 1	0.078	
	Census Tract 115.06, Block Group	0.077	
	Census Tract 116, Block Group 1	0.055	
	Census Tract 118.01, Block Group 3	0.035	

Table 3.16-1A: Environmental Justice Indexes for the Census Block Groups that Intersect with or Located Adjacent to Project Lease Boundary

Environmental Stressors	Census Block Group	Value	State Average
Hazardous Waste Proximity (facility count/ km distance)	Census Tract 108.07, Block Group 1	0.26	2.2
	Census Tract 108.14, Block Group 1	0.13	
	Census Tract 115.01, Block Group 1	0.9	
	Census Tract 115.06, Block Group 1	0.28	
	Census Tract 116, Block Group 1	0.068	
	Census Tract 118.01, Block Group 3	0.082	
Underground Storage Tanks (USTs) (count/km ²)	Census Tract 108.07, Block Group 1	0.058	6.3
	Census Tract 108.14, Block Group 1	0.086	
	Census Tract 115.01, Block Group 1	0	
	Census Tract 115.06, Block Group 1	0.03	
	Census Tract 116, Block Group 1	0.0058	
	Census Tract 118.01, Block Group 3	0.01	
Wastewater Discharge (toxicity-weighted concentration/m distance)	Census Tract 108.07, Block Group 1	4.4E-06	0.021
	Census Tract 108.14, Block Group 1	N/A	
	Census Tract 115.01, Block Group 1	0.0012	
	Census Tract 115.06, Block Group 1	N/A	
	Census Tract 116, Block Group 1	0.00021	
	Census Tract 118.01, Block Group 3	4.3E-08	

Source: EJ Screen (Environmental Justice Screening and Mapping Tool). 2022. Accessed September 20, 2022.

<https://www.epa.gov/ejscreen>.

km = kilometers; km² = square kilometers; N/A = information not available