

Footnotes:

1. Off-Site Land Use Compatibility: Project requires activities on lands beyond the boundaries of the NWTC. Coordination and/or negotiations with associated property owners and local governments may be a lead item and issues may result that have not been fully addressed by ES&H policies and procedures or commitments in the EA. NEPA could be triggered by substantial controversy or potentially significant off-site impacts that have not been addressed in the EA.

2. Site-Wide Land Use Compatibility: Project design elements should be checked with respect to development limitations: building locations, structure heights, circulation, access, parking, implications on other projects, etc. Variations in excess of limits or outside of assumed parameters could necessitate NEPA review.

3. Compatibility with Local Planning Policy: Larger turbines and meteorological towers require review by the Federal Aviation Administration with respect to Jefferson County Airport aviation requirements.

4. Traffic Congestion and Accidents: Off-site road improvements and on-site changes that might substantially increase truck traffic, special event traffic volumes or long-term peak period traffic volumes will necessitate coordination with the Colorado Department of Transportation and local governments. NEPA review is unlikely unless a project would generate more than the anticipated number of employees on the site (300).

5. Air Quality: Projects that increase air pollutant emissions beyond acceptable thresholds or add one or more new air pollutants to site emissions should be reviewed with respect to emission inventory figures in the NWTC's Air Pollution Emission Notices (APENs), Colorado Department of Public Health and Environment, Air Pollution Control Division permit thresholds and associated policies, procedures and committed measures. A significant air pollution impact requiring NEPA review and /or revisiting NWTC permits and notifications would be needed if total site-wide emissions exceed permitted limits one or more new harmful pollutants is added to the NWTC's emission inventory.

6. Visual Quality: Buildings and turbines visible from key off-site vantage points that exceed the limits defined in Chapter 2 of the EA or towers in excess of 594 feet (180 meters) should be reviewed with respect to visual impacts. A significant visual impact requiring NEPA review would not have specific thresholds, but would require a technical judgment based on the variation from defined limits and potential public reaction to the difference.

7. Aggregate Resources: Projects that might be considered inconsistent with the rights of the owner of subsurface resources and/or more specifically, compromise the agreements defined within the Memorandum of Understanding between NREL and Western Aggregates, Inc. may trigger legal issues and/or subsequent NEPA review.

8. Biological Resources: The following would be expected to trigger additional NEPA review and/or other specified processes:

- Elimination of substantial portions of tall grass prairie with no feasible habitat and/or population restoration process.

- Trapping of a Preble's in a new area where surface disturbance is unavoidable and mitigation measures are deemed inadequate by key state and federal agencies. NEPA review and processes associated with the Endangered Species Act would apply.
- Documented presence of Ute Ladies Tresses Orchid or other protected species in an area where surface disturbance is unavoidable and mitigation measures are deemed inadequate by key state and federal agencies. NEPA review and processes associated with the Endangered Species Act would apply.
- Impacts on wetlands as set forth under Section 404 of the Clean Water Act and associated requirements and guidance. A permit from the U.S. Army Corps of Engineers may be required. NEPA review would not be necessary, unless off-site or unusual circumstances and impacts were anticipated.
- Documented mortality of species protected under the Endangered Species Act.
- A documented increasing trend in mortality of species protected by the Migratory Bird Treaty Act.

9. Cultural Resources: Projects involving earthwork may uncover previously unknown and undocumented cultural resources. Risks are low in areas anticipated for development. If human remains or other substantial resources are encountered, all work must stop and protocol set forth under the Section 106 of the National Historic Preservation Act would apply. The State Historic Preservation Officer should be contacted. NEPA review would be unlikely unless impacts were deemed significant and unavoidable.

10. Hazardous Materials: Projects that would involve hazardous materials trigger numerous ES&H policies and procedures and require careful review with respect to agency permits notifications. NEPA would not be triggered unless substantial new risks were associated with increasing quantities or new materials. Contact the NREL NEPA Coordinator in the ES&H office.



1. View of the NWTC looking south from the shoulder of Highway 93 on June 25, 2001.

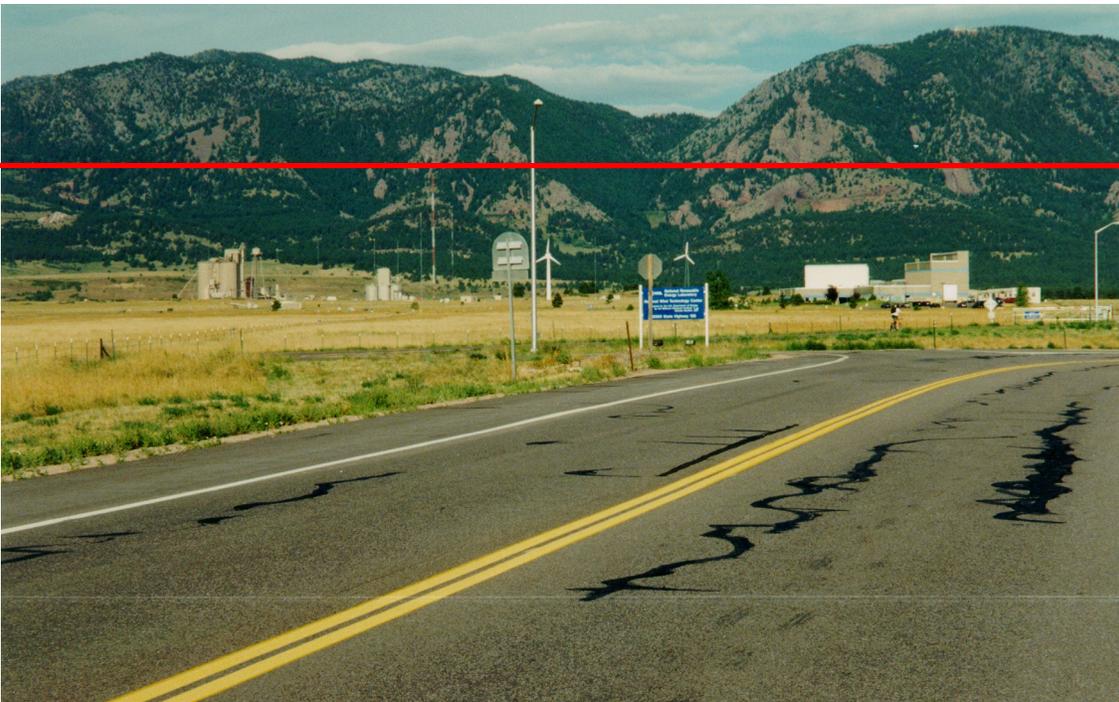


2. View of the NWTC looking south from the shoulder of Highway 93 on June 25, 2001.
Note: The turbines and towers visible in these photographs may be removed, relocated or replaced with different facilities over time.

Figure 4-1 Potential Visibility Zones for Proposed Buildings, Turbines, and Other Site Facilities



3. View of the NWTC looking west from the shoulder of Highway 128 on June 25, 2001.

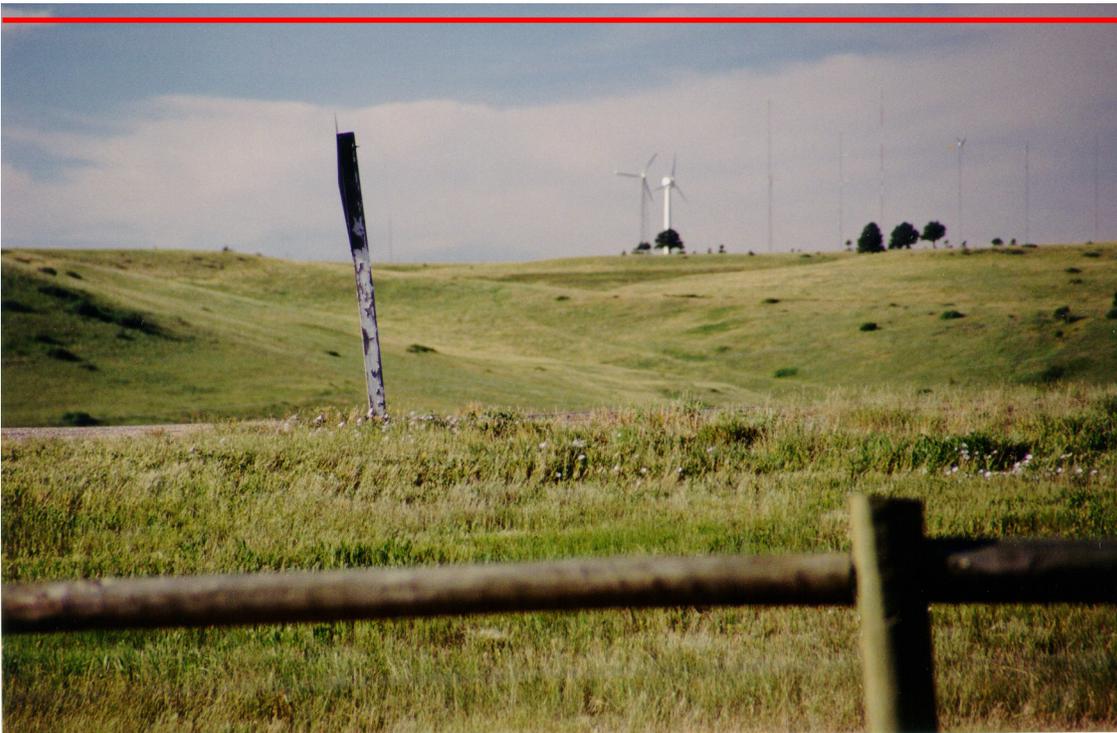


4. View of the NWTC looking west from the shoulder of Highway 128 on June 25, 2001 taken with telephoto lens to clarify site features.

Figure 4-1 Potential Visibility Zones for Proposed Buildings, Turbines, and Other Site Facilities



5. View of the NWTC looking south from the Greenbelt Plateau trailhead.



6. View of the NWTC looking south from the Greenbelt Plateau trailhead taken with a telephoto lens to clarify site features.

Figure 4-1 Potential Visibility Zones for Proposed Buildings, Turbines, and Other Site Facilities



7. View of the NWTC looking southeast from the Flatirons Vista trailhead.



8. View of the NWTC looking southeast from the Flatirons Vista trailhead taken with a telephoto lens to clarify site features.

Figure 4-1 Potential Visibility Zones for Proposed Buildings, Turbines, and Other Site Facilities