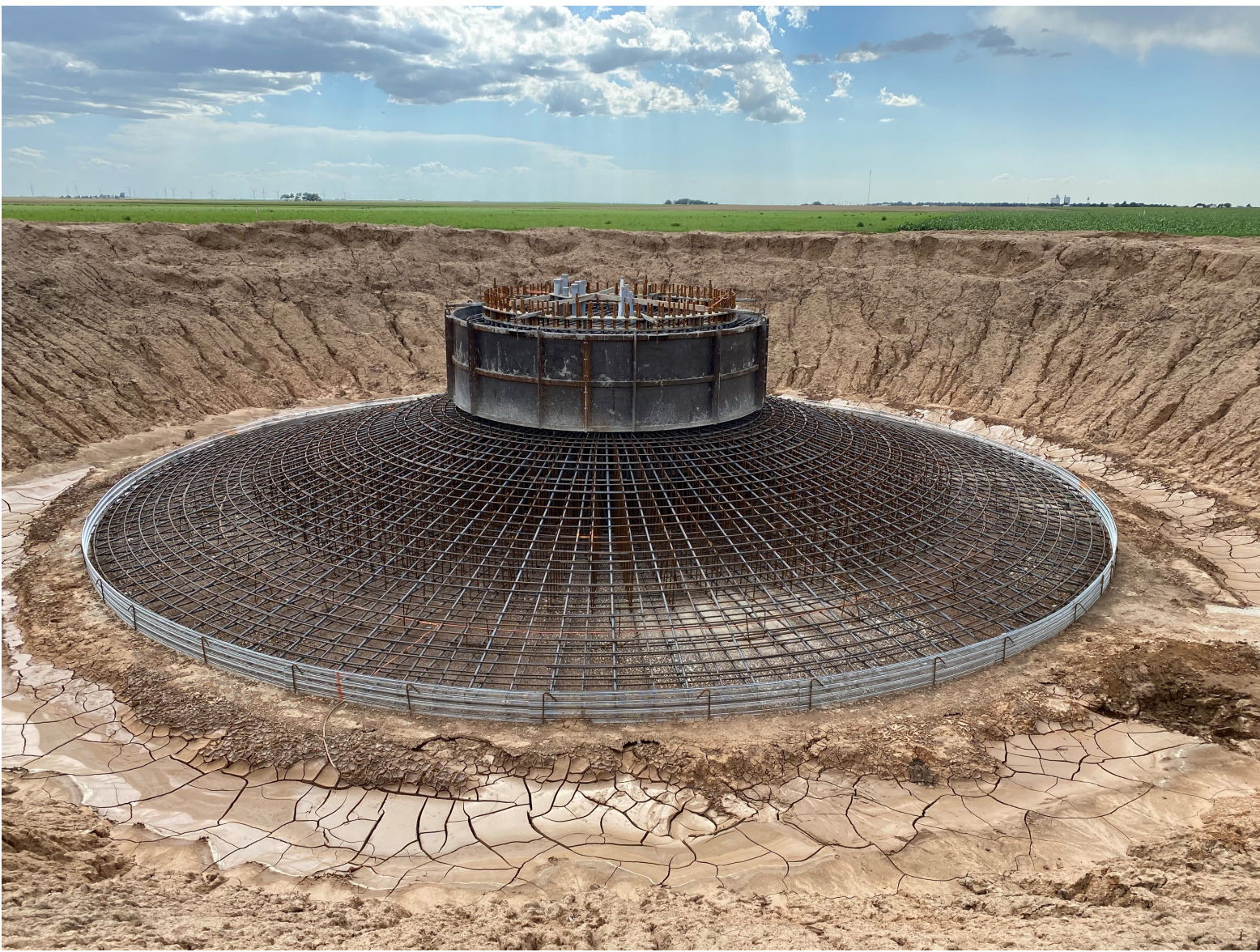


The Misinformation Barrier: Building Trust in Wind and Solar Projects

Wind & Solar Contributing Contamination?



Misinformation Campaign

A vocal minority actively provides misinformation about wind and solar developments. This misinformation promotes distrust within communities. In some cases, projects are entirely abandoned due to community opposition.

Examples

“Wind turbines cause health problems (wind turbine syndrome).”

“Solar panels contaminate groundwater.”

“Renewables destroy property values.”

“Solar farms take up too much land.”

Solutions

Transparent Data Presentation

- Present scientific data in an accessible and understandable format for the general public.

Addressing Contamination Concerns

- Provide Toxic Characteristic Leaching Procedure (TCLP) data on materials used in wind and solar infrastructure.

Reframing the Conversation

- Tangible community benefits.
- Job creation, increased tax revenue.

Land Use Optimization

- Promote the development of wind/solar projects on brownfield sites.

Community Engagement

- Create a project website with frequently asked questions, and data.

Develop with Confidence



Carbon Emissions Comparison: Wind, Solar, and Fossil Fuels

Energy Source	Lifecycle Emissions (g CO ₂ e/kWh)	Notes
Wind (Onshore)	11-15	Includes manufacturing, construction, operation, and decommissioning.
Solar (Photovoltaic - PV)	25-50	Varies based on manufacturing processes and panel type.
Coal	820-1,050	Includes mining, transportation, and combustion.
Natural Gas	410-650	Varies based on extraction and combustion efficiency.
Oil	650-900	Varies greatly based on extraction, refinement, and combustion efficiency.

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