GREEN ENERGY PATHWAYSTM

The US has a goal to decarbonize the energy sector by 2035 and multiple federal funding programs are available to state and local governments to do so. MITRE's Green Energy Pathways[™] helps to prioritize green energy investments with the most community value to aid in the US energy transition away from fossil fuels.

An equitable, green energy labor transition is needed

MITRE's Green Energy Pathways is an accessible, web-based platform designed for local and state economic developers to conduct scenario analysis of new utility-scale power plant investments. It helps to geospatially locate the best power plant location to optimize energy equity and natural resource utilization, estimates the local economic impact of a new project, and identifies the local workforce available to fill the new jobs.

Green Energy Pathways allows a user to:

- Identify and prioritize new power plant locations
- Consider social equity impacts
- Assess the labor market quarterly
- Estimate local economic value added

For information about MITRE's Green Energy Pathways[™], please contact <u>energy@mitre.org</u>.

	.Il Energy Equity Score	New Geothermal Power Plant				
Il Controls	Energy Equity S	Analysis Mode			airfax, Virginia, Unite	
nergy Equity 👻	Energy Equity Score -	Analysis mode		Bridgeport	Aquinnah Trust Land	
Energy Equity Factors	Benewable Generation -	Latitude	Longitude			
Energy Equity Score • Total	Renewable Jobs - Outage -	38.88436194066671	-79.63356962107201	Social Vulnerability		
Factor 1. Energy Burden	Health					
Factor 2. Green Energy Generation	0.0 0.2 0.4	Type	Geothermal	Preston, WV		
Factor 3. Green Energy Jobs	value			Social Vulnerability Index Totals 0.5732		
Factor 4. Power Plant Reliability (SAIDI)	- Energy Equity Score	Nameplate Capacity (MW)	2	Socioeconomic Status 0.7232		
Factor 6. Power Plant Emissions				Household Composition 0.2248		
	0.45 0.13 0.53 0.54 0.73	Total Project Cost (\$1.0)	447 4490	Minority & Language 0.432 Housing & Transportation 0.5976		
Social Vulnerability		Impact		Housing & Transportation 0.5976		
	Energy Energy Renew Renew SAIDI Equity Burden Gen Jobs	C ⁴ Update				
nergy Generation Planning	Score			Indian		
		CIM Total Jobs	1259.70			
Power Infrastructure	Energy Burden: 100%	O&M Total Jobs	65.30	1. Alexandre and the second se		
		CISIM Total Jobs	65.30	All and a second		
abor 4	Green Energy Generation: 100%	CIM Total VA	\$96.00		Energy Equity Factors	
Geographic Boundaries +	The second s	O&M Total Value Add	\$5.83			
	Green Energy Jobs:				 0.7501 - 1 • Maximut 0.5001 - 0.75 	
	-	CIM Local Jobs	1024.64	.	0.2501 - 0.5	
tyles	Power Plant Reliability (SAIDI): 100%			Virginia Beach	0 - 0.25 • Minimum	
	Power Plant Emissions: 100%			1	Data unavailable	
B New Power Plant	Power Plant Emissions. 100%	OK Delete		Man Hawk		

"

... to achieve netzero greenhouse gas emissions through a fair and just transition for all communities and workers."

116TH CONGRESS 1ST SESSION H. RES. 109

MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our publicprivate partnerships and federally funded R&D centers, we work across government to tackle challenges to the safety, stability, and well-being of our nation.

MITRE

SOLVING PROBLEMS FOR A SAFER WORLD®