

# FEMA Alternate Project Comparison Spreadsheet

Name:

Directions: Rank your top 3 project choices using 1, 2 & 3 (with 1 being the most important and 3 the least) in the ranking column below. Write your name in the provided space. Submit comments below if needed.

Ranking	Option #	Project Description	Risk Level	Financial Information				Output Potential	% Towards RES	Land Use				Environmental Requirements			Timeline	
				*Estimated Costs	Payback Period (Total Cost) Years	Payback Period (Loveland's Cost) Years	Avoided Costs			Acreage Needed	Acreage Available	Land Cost	Land Considerations	404 Permitting	NEPA/SHPO	1041 Process	Environmental Timeline	Engineering, Procurement & Construction
	1A	Value Plastics Solar Project	LOW	\$9.1M	30 to 36 Years	2 Years	\$9.1 to \$11.3M over the life	3.1 to 3.5 MW	0.73%	27 acres	50 acres	\$383,000 to \$391,000	<ul style="list-style-type: none"> <li>• Permanent Utility Easement Needed</li> <li>• A Special Review Application will be required (3-5 month timeline)</li> <li>• Proposed site is located in a retention pond area</li> </ul>	None	Utility PEA, \$8,000, 90 days	Possible (\$10,000)	3-6 months	12 months
	1B	I-25 and Hwy 402 Solar Project	HIGH	\$9.1M	38 to Years	7 to 9 Years	\$7.5 to \$9.3M over the life	2.5 to 2.9 MW	0.60%	22 acres	37 acres	\$1.5 Million Land purchase from General Fund	<ul style="list-style-type: none"> <li>• Site will need to be rezoned from E-Employement to Industrial (6-8 month timeline)</li> </ul>	None	Utility PEA, \$8,000, 90 days	Possible (\$10,000)	3-6 months	20 months
	1C	Airport Solar Project	MEDIUM/ LOW	\$9.1M	48 to 61 Years	1 to 14 Years	\$9.2 to \$11.5M over the life	3.1 to 3.6 MW	0.74%	28 acres	41 to 59 acres	\$265,000 per year	<ul style="list-style-type: none"> <li>• Land Lease from Airport per FAA Rules</li> <li>• A Special Review Application will be required (3-5 month timeline)</li> </ul>	None	Utility PEA, \$8,000, 90 days	Possible (\$10,000)	3-6 months	12 months
	1D	Larger Boedecker Solar Project	MEDIUM/ HIGH	\$8.5 to \$8.9M	30 to 36 Years	2 Years	\$8.4 to \$10.6M over the life	2.8 to 3.3 MW	0.67%	25 acres	25 acres	N/A	<ul style="list-style-type: none"> <li>• Land will need to be annexed (6-8 month timeline)</li> </ul>	None	Utility PEA, \$8,000, 90 days	Possible (\$10,000)	3-6 months	13 months
	1E	Smaller Boedecker Solar Project	LOW	\$4.6M	29 to 35 Years	2 Years	\$4.7 to \$5.9M over the life	1.5 to 1.8 MW	0.38%	14 acres	25 acres	N/A	<ul style="list-style-type: none"> <li>• Land will need to be annexed (6-8 month timeline)</li> </ul>	None	Utility PEA, \$8,000, 90 days	Possible (\$10,000)	3-6 months	8 months
	2	Hydroelectric Power Plant	MEDIUM	\$1.8M	38 Years	1 Year	\$980K over the life	275 kW	0.11%	N/A	N/A	N/A	<ul style="list-style-type: none"> <li>• FERC Licensing</li> </ul>	Required	Utility PEA, \$6,000, 90 days	TBD (possible \$10,000)	3-6 months	22 months
	3	Fiber Optic System	HIGH	\$9.1M	N/A	N/A	N/A	N/A	N/A	Approximately 29 miles of fiber	N/A	Unknown	<ul style="list-style-type: none"> <li>• Utility easements will need to be acquired</li> </ul>	Possibly	Unknown	Possible (\$10,000)	3-6 months	33 months
	4	New Boedecker Substation	MEDIUM	\$4.2M	N/A	N/A	N/A	N/A	N/A	4 to 5 acres	29.75 acres	N/A	<ul style="list-style-type: none"> <li>• Land will need to be annexed (6-8 month timeline)</li> </ul>	None	Utility PEA, \$8,000, 90 days	Possible (\$10,000)	3-6 months	26 months
	5	Improving the West Substation	HIGH	\$1.8 to \$6.9M	N/A	N/A	N/A	N/A	N/A	Unknown	Unknown	Unknown	<ul style="list-style-type: none"> <li>• West Substation site already owned by electric utility</li> <li>• Additional land needed if site is to be expanded</li> </ul>	Required	CATEX XVI, \$5,000, 30 days	Not Likely	3-6 months	7 months

\* Estimated costs do not includes additional land and environmental costs.

## Other Considerations:

Ranking	Option #	Project Description	Risk Level	Financial Information				Output Potential	% Towards RES	Land Use				Environmental Requirements			Timeline	
				*Estimated Costs	Payback Period (Total Cost) Years	Payback Period (Loveland's Cost) Years	Avoided Costs			Acreage Needed	Acreage Available	Land Cost	Land Considerations	404 Permitting	NEPA/SHPO	1041 Process	Environmental Timeline	Engineering, Procurement & Construction
	6	Purchase land at I-25 & Hwy 402	UNKNOWN	Unknown	N/A	N/A	N/A	N/A	N/A	10 acres	37 acres	\$700,000	<ul style="list-style-type: none"> <li>• Site will need to be rezoned from E-Employement to Industrial (6-8 month timeline)</li> </ul>	Unknown	Unknown	Unknown	Unknown	Unknown
	7	Extend the distribution line out to I-25 & Hwy 402	HIGH	Unknown	N/A	N/A	N/A	N/A	N/A	Unknown	Unknown	Unknown	<ul style="list-style-type: none"> <li>• Utility easements will need to be acquired</li> </ul>	Possibly	CATEX XVI, \$8,000 each, 30 days	Unknown	3-6 months	30+ months
	8	Extend the distribution line from the Boedecker Substation	HIGH	\$4.1M (\$1.6 & \$2.5M)	N/A	N/A	N/A	N/A	N/A	Unknown	Unknown	Unknown	<ul style="list-style-type: none"> <li>• Utility easements will need to be acquired</li> </ul>	Possibly	CATEX XVI, \$8,000 each, 30 days	Unknown	3-6 months	30+ months
	9	Improve the security of our substations	MEDIUM	\$2M per station	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Unknown	Unknown	Unknown	Unknown	Unknown	
	10	Do not apply funds to any project	LOW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

\* Estimated costs do not includes additional land and environmental costs.

## Comments: