

**Table 1: Summary of stakeholder suggestions for alternative routes**

Evaluation Criteria	Proponent Routes		Stakeholder-suggested Routes											
	Route A	Route C	R1	R2	R3	R4	R5	R6	R7	R8	R9	Route A-variation	Route B-variation	
Approximate Length (km)	13.6	17.1	26.0	20.3	21.6	18.5	17.0	17.0	15.3	12.0	15.3	13.7	13.8	
Approximate Corners (>45°)	7	15	5	7	12	11	12	12	7	0	9	6	6	
Overhead (OH) / Underground (UG)	OH	OH	OH	OH	OH	OH	OH	OH	OH	UG	OH	OH	OH	
Number of Cross-cultivated Parcels Crossed	6	5	0	11	1	3	5	6	2	0	4	2	4	
Agricultural Impacts	<ul style="list-style-type: none"> <li>Decreased impacts due to short route length.</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts due to longer route length</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts due to longer route length</li> <li>Largely avoids cross-cultivated parcels</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts due to longer route length</li> <li>Impacts existing pivot irrigation and cross-cultivated parcels</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts due to longer route length</li> <li>Largely avoids cross-cultivated parcels</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route C</li> <li>Potential impacts to pivot irrigation based on siting</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route C</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route C</li> </ul>	<ul style="list-style-type: none"> <li>Lower impact on cross-cultivated parcels</li> <li>Potential impacts to existing pivot irrigation</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts due to extended construction timelines and increased soil impacts</li> </ul>	<ul style="list-style-type: none"> <li>Lower impact on cross-cultivated parcels</li> </ul>	<ul style="list-style-type: none"> <li>Lower impact on cross-cultivated parcels</li> </ul>	<ul style="list-style-type: none"> <li>Lower impact on cross-cultivated parcels</li> </ul>	<ul style="list-style-type: none"> <li>Lower impact on cross-cultivated parcels</li> </ul>
Linear Distribution Line for Burial or Relocation (m) <sup>1</sup>	0	0	0	0	0	0	0	0	0	0	0	850	850	
Industrial Impacts	<ul style="list-style-type: none"> <li>Fewest road and utility crossings</li> <li>Avoids paralleling existing pipelines</li> </ul>	<ul style="list-style-type: none"> <li>Crosses multiple pipelines</li> <li>Parallels shortest length of existing electrical infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Coincides with existing electrical infrastructure, oil and gas batteries.</li> <li>Parallels existing pipelines and may require mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Parallels existing pipelines and may require mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Parallels existing pipelines and may require mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Coincides with existing electrical infrastructure, oil and gas batteries.</li> <li>Parallels existing pipelines and may require mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Coincides with existing oil and gas wells.</li> <li>Parallels existing pipelines and may require mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Coincides with existing oil and gas wells.</li> <li>Parallels existing pipelines and may require mitigation</li> </ul>	<ul style="list-style-type: none"> <li>Existing oil and gas wells located within 100 m</li> </ul>	<ul style="list-style-type: none"> <li>Coincides with existing electrical infrastructure.</li> <li>Buried oil and gas infrastructure may need to be relocated or mitigated.</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route A</li> </ul>	<ul style="list-style-type: none"> <li>Coincides with adjacent electrical distribution which may necessitate burial</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route A-variation</li> <li>Abandoned oil and gas well within 100 m.</li> </ul>	
Approximate Residences within 200m	1	0	11	1	11 (2 within 100 m)	3 (1 within 100 m)	0	1	2	3	2	0	0	
Length of Route on Owned or Leased by Solar Hosts (%) <sup>2</sup>	13	10	-	-	-	-	-	-	-	-	-	13	33	

<sup>1</sup> The value provided is an estimate; actual line length requiring burial or relation will be confirmed by the Distribution Facility Owner.

<sup>2</sup> Not calculated for rejected route suggestions.

Evaluation Criteria	Proponent Routes		Stakeholder-suggested Routes										
	Route A	Route C	R1	R2	R3	R4	R5	R6	R7	R8	R9	Route A-variation	Route B-variation
Environmental Impacts	<ul style="list-style-type: none"> <li>Shorter overall length resulting in decreased impacts.</li> <li>Decreased impacts to native grasslands and wetlands</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts due to longer route length from structures, construction, and construction access requirements</li> <li>Decreased impacts to native grasslands</li> </ul>	<ul style="list-style-type: none"> <li>Increased soil impacts due to longer route length from structures, construction, and construction access requirements</li> </ul>	<ul style="list-style-type: none"> <li>Increased soil impacts due to longer route length from structures, construction, and construction access requirements</li> </ul>	<ul style="list-style-type: none"> <li>Increased soil impacts due to longer route length from structures, construction, and construction access requirements</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route C</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route C</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route C</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route A and Route C</li> </ul>	<ul style="list-style-type: none"> <li>Increased soil impacts during construction</li> <li>Increased soil disturbance and reclamation requirements</li> <li>Additional construction access and soil storage required.</li> <li>Loss of visual screening to some residences</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route A</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route A</li> <li>Greater interaction with native grasslands compared to Route A</li> </ul>	<ul style="list-style-type: none"> <li>Similar impacts to Route A and Route A-variation</li> </ul>
Cost Relative to Preliminary Routing	N/A	N/A	+91%	+49%	+59%	+36%	+25%	+25%	+13%	+780%	+13%	+2%	+2%
Impacts Relative to Preliminary Routing	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to residences</li> <li>Increased route length</li> <li>Increased potential for impacts to existing infrastructure</li> <li>Significant cost increase</li> <li>Would require a revised substation location</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to agriculture</li> <li>Increased route length</li> <li>Increased construction impacts</li> <li>Significant cost increase</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to residences</li> <li>Increased route length</li> <li>Increased construction impacts</li> <li>Significant cost increase</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to residences</li> <li>Increased potential for impacts to existing infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Increased potential for impacts to existing infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to residences</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to residences</li> <li>Would require a revised substation location</li> </ul>	<ul style="list-style-type: none"> <li>Increased impacts to residences</li> <li>Increased environmental impacts.</li> <li>Significant cost increase</li> </ul>	<ul style="list-style-type: none"> <li>Reduced agricultural impacts (lower number of cross-cultivated parcels) compared to preliminary routes.</li> <li>Increased impacts to residences</li> </ul>	<ul style="list-style-type: none"> <li>Reduced agricultural impacts (lower number of cross-cultivated parcels)</li> <li>Residential impacts unchanged</li> <li>Cost increases due to proximity of existing infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Reduced agricultural impacts (lower number of cross-cultivated parcels)</li> <li>Residential impacts unchanged.</li> <li>Cost increases due to proximity of existing infrastructure</li> </ul>
Fatal Flaw(s)	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>Does not connect at planned substation</li> </ul>	<ul style="list-style-type: none"> <li>Conflicts with negotiated agreements made in relation to the Sweetgrass Solar + Storage Project</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>Does not connect at planned substation</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>None</li> </ul>
Decision	Accepted	Accepted	Rejected	Rejected	Rejected	Rejected	Rejected	Rejected	Rejected	Rejected	Rejected	Accepted	Accepted