

Development phase	<b>CONCENTRATED SOLAR POWER</b>			
	<b>Potential type of DIRECT impact</b>		<b>Potential type of INDIRECT impact</b>	
	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>
<b>CONCEPT</b>	<ul style="list-style-type: none"> <li>- Clearing of natural habitats in preparation for the project</li> </ul>	<ul style="list-style-type: none"> <li>- Opportunity to implement advanced offset or enhancement actions</li> </ul>	<ul style="list-style-type: none"> <li>- Disassociation of individuals or communities from the landscape in expectation of project development</li> <li>- In-migration in expectation of project development</li> </ul>	<ul style="list-style-type: none"> <li>- Potential for promoting integrated landscape planning</li> </ul>
<b>PLANNING</b>	<ul style="list-style-type: none"> <li>- Direct tangible impacts due to surveying (e.g., removal of plants or extant built structures)</li> <li>- Land acquisition can lead to the relocation of people and their homes</li> <li>- Land acquisition can displace the livelihoods of affected communities (cultivation, fishing, herding, etc.)</li> </ul>		<ul style="list-style-type: none"> <li>- Lack of or reduction in maintenance practices in expectation of project development</li> <li>- Controlled or uncontrolled removal of significance cultural attributes or species in expectation of project development</li> </ul>	<ul style="list-style-type: none"> <li>- Community engagement with planning processes can lead to a better understanding of significance and associations</li> <li>- The study of cultural and natural contexts can deliver new knowledge, such as through archaeological investigations, oral history projects, inventories of species and populations, geology, etc.</li> <li>- Identification and removal of invasive species</li> </ul>
<b>CONSTRUCTION</b>	<ul style="list-style-type: none"> <li>- Vulnerable groups (e.g.,</li> </ul>	<ul style="list-style-type: none"> <li>- Opportunities for vulnerable</li> </ul>	<ul style="list-style-type: none"> <li>- Increased local resource use,</li> </ul>	<ul style="list-style-type: none"> <li>- Increased economic</li> </ul>

	<p>the poor, women, Indigenous communities, children, etc.) may be at risk</p> <ul style="list-style-type: none"> <li>- Migrant construction workers can bring inappropriate cultural behaviour</li> <li>- Gender-based violence due to the arrival of predominantly male construction workers</li> <li>- Loss or degradation of natural habitats</li> <li>- Disturbance of or injury to wildlife from construction traffic, noise, activities or night lighting</li> <li>- Pollution by dust, construction materials or vehicle emissions</li> <li>- Introduction of alien invasive species</li> <li>- Terrain altered through clearance and levelling works</li> <li>- Soil compaction, alternation of drainage and increased erosion</li> </ul>	<p>groups to acquire new skills</p> <ul style="list-style-type: none"> <li>- Construction may bring job opportunities for local communities</li> </ul>	<p>wildlife disturbance or pollution from temporary construction workforce</p> <ul style="list-style-type: none"> <li>- Induced access via new or upgraded roads</li> <li>- Displacement of agricultural or other activities</li> </ul>	<p>opportunities for local communities</p>
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	<ul style="list-style-type: none"> <li>- Habitat loss or fragmentation from the construction of access roads</li> <li>- Damage or loss of cultural or archaeological sites</li> <li>- Perimeter fencing around the worksite can fragment habitats</li> </ul>			
<b>OPERATION</b>	<ul style="list-style-type: none"> <li>- Land-use change due to large areas required for developments , including the potential displacement of livelihoods</li> <li>- Limited access to cultural or heritage sites</li> <li>- Increased pressure on local communities' public services</li> <li>- Behavioural displacement (species-specific) and barriers to wildlife movement</li> <li>- Wildlife mortality from evaporation ponds or concentrated solar beams</li> <li>- Wildlife attraction to reflective surfaces</li> </ul>	<ul style="list-style-type: none"> <li>- Onsite biodiversity enhancement</li> </ul>	<ul style="list-style-type: none"> <li>- Increased access to remote areas may increase the risk of hunting/poaching</li> <li>- Increased access to remote areas may favour the introduction of invasive alien species</li> </ul>	<ul style="list-style-type: none"> <li>- Improvements to infrastructure (e.g., roads, bridges, etc.) for the operation of the site may also service local communities</li> <li>- Reduced carbon footprint</li> <li>- Contribution to addressing the global climate emergency</li> </ul>

	<ul style="list-style-type: none"> <li>- Light pollution from night lighting</li> <li>- Increased pressure on water resources for mirror cleaning and system cooling</li> <li>- Run-off pollution from cleaning chemicals</li> <li>- Pollution from thermal transfer fluids or water used in electricity generation</li> <li>- Solar farm perimeter fencing can fragment habitats</li> <li>- Damaged storage batteries can discharge hazardous substances</li> <li>- Obstructed views and visual intrusions</li> <li>- Glare from mirrors</li> </ul>			
<b>REPOWERING</b>	<ul style="list-style-type: none"> <li>- Ecological disturbance during infrastructure removal</li> </ul>	<ul style="list-style-type: none"> <li>- Opportunity to improve layout and design and implement biodiversity enhancement</li> </ul>	<ul style="list-style-type: none"> <li>- Supply chain and manufacturing impacts</li> <li>- End-of-life infrastructure requires recycling or disposal</li> <li>- Creation of toxic waste</li> </ul>	<ul style="list-style-type: none"> <li>- Reuse of materials in replaced infrastructure</li> <li>- More efficient production of low-carbon electricity or heat</li> </ul>
<b>DECOMMISSIONING</b>	<ul style="list-style-type: none"> <li>- Ecological disturbance during</li> </ul>	<ul style="list-style-type: none"> <li>- Opportunity for natural habitat restoration</li> </ul>		

	infrastructure removal			
<b>RECOVERY</b>				

(Please note that these lists are intended only to provide examples and are by no means exhaustive.  
For the question of assessing visual impacts, see [‘Note 4’](#))