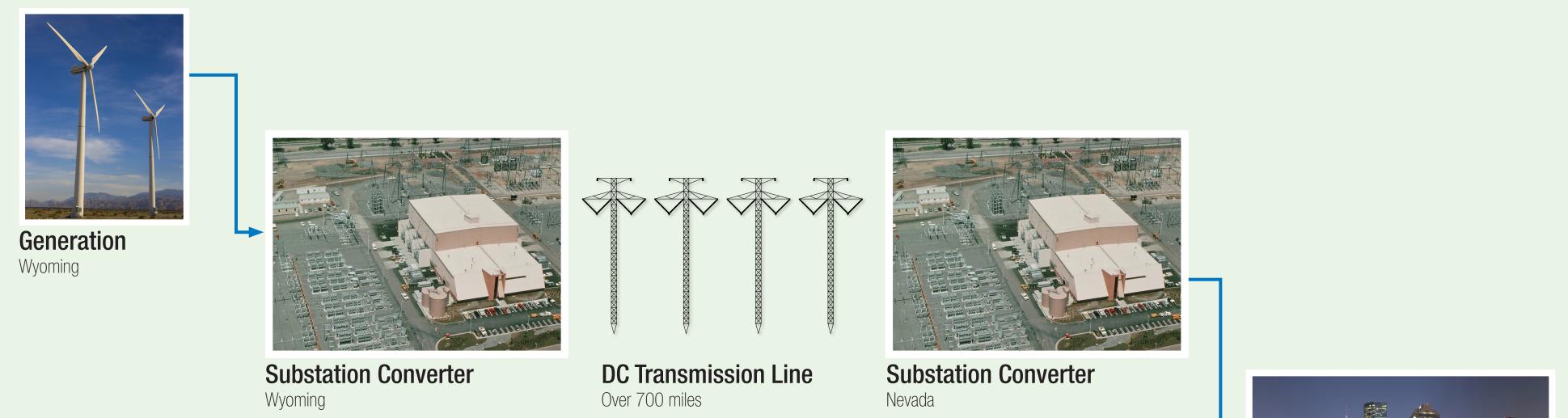


Direct Current technology is best

for the TransWest Express Transmission Project

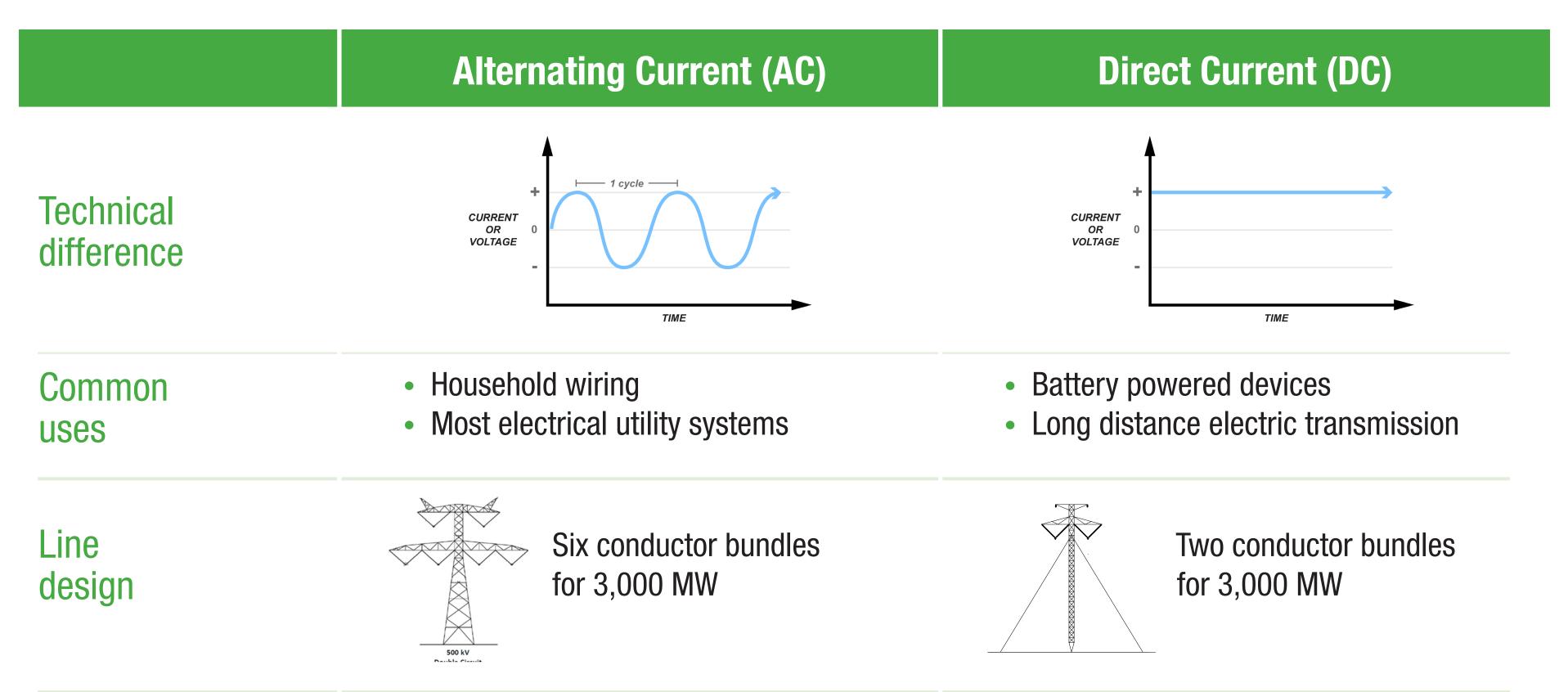






Customers Arizona, Nevada, California

Differences between transmission technologies





 Several substations located every 50-75 miles

- Two substations and AC/DC converters located at either end of the line
- Ground electrode backup system
- Relatively expensive lines
- Lower substation costs
- Less efficient over greater distances
- Less expensive lines
- Fewer but more expensive substations
- More efficient over greater distances



System costs