


PSE studied a variety of alternatives such as reducing demand through continued conservation, increasing the capacity of PSE's existing electric transmission lines, generating energy locally, and building new infrastructure.

OTHER ALTERNATIVES CONSIDERED

Using batteries instead of building a substation and transmission lines	Conservation only: "demand response" and other incentive programs	Solar power and other generation efforts
<ul style="list-style-type: none"> • Technology has not been used for the type and scale of problem facing the Eastside • Would still require new transmission lines • Would require up to 300 shipping-container sized batteries located on the Eastside just to meet initial demand • PSE is pursuing a pilot battery project at a much smaller scale  <p>Sample battery size - 40 feet long x 9 feet tall</p>	<ul style="list-style-type: none"> • Encourage higher-energy use during off-peak hours (i.e., running washing machine late at night instead of during the day) • Time-of-use rates have been tested by PSE on the Eastside, but were very unpopular • Does not conserve enough energy to meet project need 	<ul style="list-style-type: none"> • Solar panels don't generate electricity during peak hours of electricity use (winter mornings and evenings) and can be expensive • Some homes cannot support the weight of solar panels or do not have the correct orientation • Other generation efforts would require building a 300 MW power plant and new transmission lines on the Eastside