### Present Value of Cumulative (2021–2045) Costs at Alternative Discount Rates (Billion 2019$)

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Total Clean Energy (Renewable, Hydro, and Nuclear) Penetration Achieved 2035 vs. 2045</th>
<th>Present Value of Cumulative (2021–2045) Costs at Alternative Discount Rates (Billion 2019$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB100 MODERATE</td>
<td>90% 90%</td>
<td>0%: $57B 2.5%: $40B 5.0%: $28B</td>
</tr>
<tr>
<td>Early &amp; No Biofuels</td>
<td>100% 100%</td>
<td>0%: $87B 2.5%: $59B 5.0%: $42B</td>
</tr>
<tr>
<td>Transmission Focus</td>
<td>MODERATE</td>
<td>0%: $67B 2.5%: $46B 5.0%: $33B</td>
</tr>
<tr>
<td>Limited New Transmission</td>
<td>MODERATE</td>
<td>0%: $62B 2.5%: $43B 5.0%: $31B</td>
</tr>
<tr>
<td>SB100 HIGH</td>
<td>84% 83%</td>
<td>0%: $51B 2.5%: $42B 5.0%: $30B</td>
</tr>
<tr>
<td>Early &amp; No Biofuels</td>
<td>100% 100%</td>
<td>0%: $86B 2.5%: $59B 5.0%: $42B</td>
</tr>
<tr>
<td>Transmission Focus</td>
<td>HIGH</td>
<td>0%: $72B 2.5%: $49B 5.0%: $35B</td>
</tr>
<tr>
<td>Limited New Transmission</td>
<td>HIGH</td>
<td>0%: $67B 2.5%: $46B 5.0%: $33B</td>
</tr>
<tr>
<td>SB100 STRESS</td>
<td>85% 87%</td>
<td>0%: $69B 2.5%: $47B 5.0%: $34B</td>
</tr>
</tbody>
</table>

### Cumulative (2020–2045) Life Cycle GHG Emissions, All Sectors (MMT CO₂e)

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Reduction in Annual Life Cycle GHG Emissions in 2045 Compared to 2020, All Sectors</th>
<th>Cumulative (2020–2045) Monetized Emissions Costs of GHG Emissions at Discount Rates of 2.5% and 5% (Billion 2019$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODERATE</td>
<td>54%</td>
<td>2.5%: $16B 5.0%: $15B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>61%</td>
<td>2.5%: $55B 5.0%: $14B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>59%</td>
<td>2.5%: $58B 5.0%: $15B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>59%</td>
<td>2.5%: $59B 5.0%: $15B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>79%</td>
<td>2.5%: $50B 5.0%: $13B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>88%</td>
<td>2.5%: $43B 5.0%: $11B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>86%</td>
<td>2.5%: $46B 5.0%: $12B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>87%</td>
<td>2.5%: $46B 5.0%: $12B</td>
</tr>
<tr>
<td>MODERATE</td>
<td>77%</td>
<td>2.5%: $53B 5.0%: $14B</td>
</tr>
</tbody>
</table>

### Cumulative (2021–2045) Monetized Emissions Costs of GHG Emissions at Discount Rates of 2.5% and 5% (Billion 2019$)

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Annual Mean Value of Avoided Health Impacts in 2045 Compared to 2012</th>
<th>Average Annual Employment from LADWP Power-Sector Spending (2026–2045) by Location of Investment:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB100 MODERATE</td>
<td>$900M</td>
<td>4,900 5,000 7,900</td>
</tr>
<tr>
<td>Early &amp; No Biofuels</td>
<td></td>
<td>5,000 4,200 12,400</td>
</tr>
<tr>
<td>Transmission Focus</td>
<td></td>
<td>6,400 3,500 9,900</td>
</tr>
<tr>
<td>Limited New Transmission</td>
<td></td>
<td>6,700 5,000 9,700</td>
</tr>
<tr>
<td>SB100 HIGH</td>
<td></td>
<td>5,500 3,500 9,000</td>
</tr>
<tr>
<td>Early &amp; No Biofuels</td>
<td></td>
<td>4,500 3,500 8,700</td>
</tr>
<tr>
<td>Transmission Focus</td>
<td></td>
<td>7,200 4,300 13,200</td>
</tr>
<tr>
<td>Limited New Transmission</td>
<td></td>
<td>7,600 3,900 11,500</td>
</tr>
<tr>
<td>SB100 STRESS</td>
<td></td>
<td>6,500 3,700 10,200</td>
</tr>
</tbody>
</table>

*Costs, as measured in the study, represent costs of expanding and operating of the power system from 2021. Present values calculated with a discount rate of 0% are equivalent to an undiscounted value.

**95% confidence interval of values of avoided health impacts in 2045 compared to 2012 is SB100 – M is (-$480M–$3,000M) and of Early & No Biofuels – H is (-$470M–$4,400 M).

***Because the contribution to emissions reductions from the power sector is small (ranging from 0.8%–1% for NOx among LA100-evaluated reductions), it is reasonable to qualitatively estimate the results stated.