### Table E1b. Noncombustible Renewable Primary Energy Consumption: Solar and Total (Trillion Btu)

<table>
<thead>
<tr>
<th>Year</th>
<th>Direct Consumption&lt;sup&gt;a&lt;/sup&gt;</th>
<th>Transformed Into Electricity&lt;sup&gt;b&lt;/sup&gt;</th>
<th>Adjustment for Fossil Fuel Equivalence&lt;sup&gt;c&lt;/sup&gt;</th>
<th>Utility-Scale&lt;sup&gt;d&lt;/sup&gt;</th>
<th>Total&lt;sup&gt;e&lt;/sup&gt;</th>
<th>Captured Energy&lt;sup&gt;f&lt;/sup&gt;</th>
<th>Adjustment for Fossil Fuel Equivalence&lt;sup&gt;g&lt;/sup&gt;</th>
<th>Total Primary Energy&lt;sup&gt;h&lt;/sup&gt;</th>
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<sup>a</sup> Solar thermal direct use energy; and solar photovoltaic (PV) and solar thermal electric energy net generation.

<sup>b</sup> Conventional hydroelectricity net generation; geothermal heat pump and direct use energy; geothermal electricity net generation; wind electricity net generation; solar thermal direct use energy; and solar photovoltaic (PV) and solar thermal electric energy net generation.

<sup>c</sup> Distributed (small-scale) facilities (electric generators have a combined generator nameplate capacity of less than 1 megawatt).

<sup>d</sup> Utility-scale facilities (combined generator nameplate capacity of 1 megawatt or more).

<sup>e</sup> Solar thermal direct use energy.

<sup>f</sup> Electricity net generation in kilowatthours (kWh) multiplied by 3,412 Btu/kWh, the heat content of electricity (see Table A6).

<sup>g</sup> Equals the difference between the fossil-fuel equivalent value of electricity and the captured energy consumed as electricity. The fossil-fuel equivalent value of electricity equals electricity net generation in kilowatthours multiplied by the total fossil fuels heat rate factors (see Table A6). The captured energy consumed as electricity equals electricity net generation in kilowatthours multiplied by 3,412 Btu/kWh, the heat content of electricity (see Table A6).

<sup>h</sup> Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities, independent power producers, commercial plants, and industrial plants.

<sup>i</sup> Direct consumption of energy; and energy used to generate electricity, calculated as electricity net generation in kilowatthours multiplied by the total fossil fuels heat rate factors (see Table A6).

<sup>j</sup> Direct consumption of energy plus captured energy consumed as electricity, which is calculated as electricity net generation in kilowatthours (kWh) multiplied by 3,412 Btu/kWh, the heat content of electricity (see Table A6).

Notes: • Beginning in 1989, data for distributed solar and total captured energy are estimates. For the current year, data for utility-scale solar are estimates. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia. Sources: • Solar: Tables 10.5, 10.6, and A6. • Total: Tables 7.2a, 10.1, 10.2a, 10.2b, 10.5, 10.6, and A6.