

APPENDIX TABLE 6-45

Later-stage sustainable energy investment in wind and energy smart technologies, by region, country, or economy: 2004-16

(Millions of current dollars)

| Region, country, or economy | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Wind | | | | | | | | | | | |
| World | 38,028 | 59,560 | 71,823 | 76,951 | 98,713 | 82,293 | 82,342 | 86,610 | 106,804 | 122,466 | 110,729 |
| United States | 8,523 | 12,500 | 17,490 | 9,385 | 18,461 | 10,619 | 14,320 | 12,825 | 11,185 | 13,767 | 15,123 |
| EU | 21,911 | 31,988 | 32,307 | 30,889 | 33,131 | 28,526 | 21,346 | 24,806 | 35,304 | 38,552 | 46,621 |
| France | 2,710 | 2,082 | 3,241 | 1,917 | 1,720 | 1,059 | 1,118 | 1,119 | 2,155 | 1,295 | 1,426 |
| Germany | 4,921 | 4,521 | 3,418 | 5,258 | 7,860 | 10,350 | 3,507 | 9,514 | 12,026 | 12,307 | 10,548 |
| Italy | 1,237 | 1,780 | 3,738 | 1,625 | 1,811 | 1,049 | 1,117 | 393 | 224 | 547 | 947 |
| Spain | 5,637 | 12,835 | 4,236 | 2,453 | 2,807 | 1,781 | 635 | 28 | 312 | 0 | 132 |
| United Kingdom | 2,144 | 3,111 | 2,632 | 9,541 | 7,476 | 2,673 | 4,140 | 5,845 | 6,278 | 15,168 | 19,432 |
| All others | 5,262 | 7,658 | 15,042 | 10,097 | 11,457 | 11,613 | 10,829 | 7,907 | 14,309 | 9,235 | 14,137 |
| Selected Asia | | | | | | | | | | | |
| China | 4,112 | 7,477 | 17,458 | 29,079 | 29,674 | 25,981 | 27,395 | 29,160 | 40,756 | 50,388 | 34,770 |
| India | 1,532 | 3,735 | 2,045 | 1,799 | 5,998 | 5,721 | 4,043 | 3,595 | 4,603 | 3,786 | 3,598 |
| Japan | 521 | 648 | 662 | 1,215 | 94 | 450 | 557 | 688 | 231 | 295 | 758 |
| Other selected countries | | | | | | | | | | | |
| Brazil | 112 | 478 | 992 | 1,506 | 1,685 | 5,068 | 3,768 | 2,874 | 5,856 | 5,300 | 5,362 |
| Mexico | 0 | 143 | 857 | 206 | 2,573 | 489 | 2,876 | 1,832 | 1,682 | 4,093 | 1,283 |
| South Africa | 12 | 0 | 0 | 17 | 25 | 173 | 1,534 | 1,699 | 125 | 1,602 | 0 |
| ROW | 1,305 | 2,591 | 13 | 2,855 | 7,071 | 5,265 | 6,503 | 9,130 | 7,061 | 4,683 | 3,215 |
| Energy smart | | | | | | | | | | | |
| World | 980 | 2,795 | 2,337 | 6,144 | 9,117 | 9,983 | 9,821 | 9,839 | 12,591 | 11,614 | 21,270 |
| United States | 288 | 2,080 | 1,579 | 3,997 | 4,306 | 3,931 | 3,439 | 3,178 | 4,483 | 2,839 | 3,742 |
| EU | 417 | 361 | 150 | 1,207 | 593 | 875 | 841 | 1,293 | 1,487 | 2,264 | 4,928 |
| France | 8 | 0 | 8 | 0 | 31 | 118 | 0 | 18 | 66 | 45 | 437 |



| Region, country, or economy | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 |
|-----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Germany | 3 | 78 | 1 | 16 | 60 | 61 | 11 | 211 | 81 | 167 | 102 |
| Italy | 0 | 0 | 0 | 194 | 131 | 117 | 73 | 119 | 163 | 412 | 312 |
| Spain | 0 | 0 | 0 | 49 | 37 | 113 | 232 | 271 | 313 | 355 | 368 |
| United Kingdom | 405 | 264 | 141 | 81 | 115 | 147 | 153 | 212 | 355 | 464 | 1,205 |
| All others | 0 | 19 | 0 | 867 | 218 | 320 | 372 | 461 | 509 | 822 | 2,503 |
| Selected Asia | | | | | | | | | | | |
| China | 12 | 189 | 213 | 475 | 3,026 | 2,736 | 3,649 | 2,961 | 3,782 | 2,559 | 7,222 |
| India | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 6 | 16 | 15 |
| Japan | 179 | 123 | 12 | 91 | 309 | 928 | 262 | 621 | 1,113 | 1,990 | 3,500 |
| Other selected countries | | | | | | | | | | | |
| Brazil | 0 | 0 | 58 | 56 | 78 | 71 | 89 | 81 | 74 | 68 | 77 |
| Mexico | 0 | 0 | 0 | 0 | 17 | 18 | 13 | 0 | 2 | 141 | 404 |
| South Africa | 0 | 0 | 0 | 17 | 22 | 22 | 0 | 0 | 0 | 0 | 0 |
| ROW | 84 | 42 | 325 | 301 | 766 | 1,401 | 1,526 | 1,703 | 1,645 | 1,738 | 1,383 |

EU = European Union; ROW = rest of world.

Note(s)

Later-stage investment consists of asset finance, public markets, small-scale distributed solar, and re-invested equity. China includes Hong Kong.

Source(s)

Bloomberg New Energy Finance.

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