## Table 3b. Average Annual Coal Transportation Costs from Coal Basin to State by Waterway (nominal dollars per ton)

| Coal Supply Basin | Destination State | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---|---|---|---|---|---|---|---|---|---|
| Northern Appalachia | Florida | W | - | W | W | W | - | - | - |
| Northern Appalachia | Indiana | W | W | W | W | $10.71 | W | W | W |
| Northern Appalachia | Kentucky | $5.56 | $5.13 | $4.78 | $5.42 | $5.61 | $5.79 | $6.36 | $5.96 |
| Northern Appalachia | Maryland | - | - | - | - | - | - | - | - |
| Northern Appalachia | Mississippi | - | - | W | - | W | - | - | - |
| Northern Appalachia | New Hampshire | - | - | - | - | - | - | - | - |
| Northern Appalachia | New Jersey | - | - | - | - | - | - | - | - |
| Northern Appalachia | Ohio | $5.22 | $3.82 | $3.29 | $3.75 | $3.36 | $3.92 | $3.99 | $3.74 |
| Northern Appalachia | Pennsylvania | $3.52 | $3.46 | $3.74 | $3.66 | $4.00 | $4.14 | $4.74 | $3.35 |
| Northern Appalachia | Tennessee | W | W | W | - | W | - | - | - |
| Northern Appalachia | West Virginia | $2.54 | $4.35 | $3.50 | $2.87 | $3.28 | $4.11 | $4.97 | $3.57 |
| Northern Appalachia | Wisconsin | - | W | - | - | - | - | - | - |
| Central Appalachia | Alabama | W | W | W | - | W | - | W | W |
| Central Appalachia | Florida | $16.02 | $13.21 | $12.65 | $7.78 | $8.58 | W | $10.39 | W |
| Central Appalachia | Indiana | W | $8.45 | $4.43 | $5.62 | $7.31 | $8.47 | $9.39 | $11.45 |
| Central Appalachia | Iowa | W | - | - | - | - | - | - | - |
| Central Appalachia | Kentucky | $4.32 | $3.98 | $4.34 | $4.80 | $5.10 | $5.76 | $4.37 | $5.67 |
| Central Appalachia | Michigan | - | - | - | W | - | - | - | - |
| Central Appalachia | Mississippi | - | - | W | W | - | - | W | W |
| Central Appalachia | Ohio | $4.40 | $4.08 | $4.72 | $5.16 | $6.81 | $5.54 | $6.64 | $7.96 |
| Central Appalachia | Pennsylvania | W | $17.08 | W | W | - | - | - | - |
| Central Appalachia | South Carolina | - | - | - | W | - | - | - | - |
| Central Appalachia | Tennessee | - | W | W | - | - | - | W | W |
| Central Appalachia | Virginia | - | - | W | W | W | - | - | - |
| Central Appalachia | West Virginia | W | $5.46 | $3.28 | $3.30 | $2.79 | $3.66 | $3.93 | $4.55 |
| Central Appalachia | Wisconsin | - | - | - | - | - | - | W | - |
| Southern Appalachia | Alabama | $4.31 | $4.36 | $5.01 | $4.16 | W | $4.51 | W | W |
| Southern Appalachia | Ohio | W | - | - | - | - | - | - | - |
| Illinois Basin | Alabama | $18.47 | $17.04 | $19.05 | $23.26 | W | W | W | W |
| Illinois Basin | Florida | W | $10.14 | $12.08 | $14.35 | $15.33 | $15.72 | $14.24 | $12.44 |
| Illinois Basin | Indiana | W | $3.47 | W | $4.22 | $3.71 | $7.73 | W | W |
| Illinois Basin | Iowa | W | W | - | W | - | - | - | - |
| Illinois Basin | Kentucky | $5.01 | $5.00 | $5.48 | $5.49 | $5.42 | $5.29 | $5.12 | $4.45 |
| Illinois Basin | Louisiana | - | - | - | W | W | W | W | W |
| Illinois Basin | Minnesota | - | - | - | W | W | W | - | - |
| Illinois Basin | Mississippi | - | - | W | W | W | W | W | W |
| Illinois Basin | Missouri | - | W | W | - | - | - | - | - |
| Illinois Basin | Ohio | $6.19 | $6.31 | $6.06 | $6.95 | $7.34 | $6.02 | $6.59 | $6.20 |
| Illinois Basin | Pennsylvania | W | W | $22.98 | $21.10 | $20.56 | - | - | - |
| Illinois Basin | Tennessee | W | W | $3.70 | W | W | W | W | W |
| Illinois Basin | West Virginia | W | W | W | $8.27 | $14.09 | $13.94 | $10.47 | W |
| Illinois Basin | Wisconsin | - | - | W | - | - | - | W | - |
| Powder River Basin | Alabama | - | - | W | - | - | - | - | - |
| Powder River Basin | Illinois | W | $11.42 | $12.78 | W | - | - | W | - |
| Powder River Basin | Indiana | W | W | - | W | - | - | - | - |
| Powder River Basin | Iowa | W | $13.20 | W | W | - | - | - | - |
| Powder River Basin | Kentucky | - | - | W | - | - | - | - | - |
| Powder River Basin | Louisiana | - | - | - | - | - | - | - | - |
| Powder River Basin | Michigan | - | - | W | W | - | - | - | - |
| Powder River Basin | Mississippi | - | - | W | - | - | - | - | - |
| Powder River Basin | Ohio | W | $22.35 | $18.07 | W | - | - | - | - |
| Powder River Basin | Pennsylvania | W | W | W | W | - | - | - | - |
| Powder River Basin | Tennessee | - | W | W | - | - | - | W | W |
| Powder River Basin | Texas | - | - | - | - | - | - | - | - |
| Powder River Basin | West Virginia | $4.77 | $4.94 | $32.72 | W | - | - | - | - |
| Powder River Basin | Wisconsin | W | W | W | - | - | - | W | - |
| Uinta Region | Alabama | W | - | - | - | - | - | - | - |
| Uinta Region | Florida | $11.08 | $10.34 | $16.54 | W | - | - | - | W |
| Uinta Region | Indiana | W | W | - | W | - | - | - | - |
| Uinta Region | Iowa | W | - | - | - | - | - | - | - |
| Uinta Region | Kentucky | W | - | - | - | - | - | - | - |
| Uinta Region | Mississippi | - | - | W | - | - | - | - | - |
| Uinta Region | Ohio | - | W | - | - | - | - | - | - |
| Uinta Region | Tennessee | W | - | - | - | - | - | - | - |

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

W = Withheld to avoid disclosure of individual company data.

Notes: Rates are based on a weighted average of the difference between the commodity cost and total delivered cost of coal shipments to plants in the electric power sector. In addition, the rates are based on the primary transport mode selected by a plant's owner or operator so may include other secondary or tertiary modes. Values are presented in nominal dollars. For the composition of coal basins, refer to the definition of "coal-producing regions" in EIA's glossary at www.eia.gov/tools/glossary.

## Table 3b. Average Annual Coal Transportation Costs from Coal Basin to State by Waterway (nominal dollars per ton)

| Coal Supply Basin | Destination State | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|---|---|---|
| Northern Appalachia | Florida | - | W | W | - | - | W | W | W | W |
| Northern Appalachia | Indiana | - | - | - | - | - | W | W | - | - |
| Northern Appalachia | Kentucky | $5.55 | $6.02 | $4.69 | $4.83 | $4.78 | $5.68 | $7.68 | $8.66 | $8.86 |
| Northern Appalachia | Maryland | - | - | - | W | W | W | - | - | - |
| Northern Appalachia | Mississippi | - | - | - | - | - | W | - | - | - |
| Northern Appalachia | New Hampshire | - | - | - | - | - | W | - | - | - |
| Northern Appalachia | New Jersey | - | - | - | - | - | - | W | - | - |
| Northern Appalachia | Ohio | $3.91 | $3.48 | $3.45 | $3.43 | $3.68 | $3.87 | $4.70 | $4.85 | $4.77 |
| Northern Appalachia | Pennsylvania | $2.75 | $3.71 | $6.17 | $6.91 | $8.22 | $10.98 | $12.28 | W | W |
| Northern Appalachia | Tennessee | - | - | - | - | - | W | - | - | - |
| Northern Appalachia | West Virginia | $3.13 | $2.88 | $3.41 | $3.34 | $3.58 | $3.80 | $5.54 | $5.98 | $7.09 |
| Northern Appalachia | Wisconsin | - | - | - | - | - | - | - | - | - |
| Central Appalachia | Alabama | W | - | - | W | W | - | - | - | - |
| Central Appalachia | Florida | W | - | - | - | - | - | W | W | - |
| Central Appalachia | Indiana | W | W | W | W | W | W | W | W | W |
| Central Appalachia | Iowa | - | - | - | - | - | - | - | - | - |
| Central Appalachia | Kentucky | $3.79 | $3.24 | W | W | W | W | $5.82 | $4.58 | $4.84 |
| Central Appalachia | Michigan | - | - | - | - | - | - | - | - | - |
| Central Appalachia | Mississippi | - | - | - | - | - | - | - | - | - |
| Central Appalachia | Ohio | $4.15 | $5.11 | W | W | W | $5.39 | W | W | W |
| Central Appalachia | Pennsylvania | - | - | W | - | - | - | - | - | - |
| Central Appalachia | South Carolina | - | - | - | - | - | - | - | - | - |
| Central Appalachia | Tennessee | - | - | - | - | - | - | W | W | - |
| Central Appalachia | Virginia | - | - | - | - | - | - | - | - | - |
| Central Appalachia | West Virginia | $5.17 | $4.32 | $4.08 | $4.12 | $4.91 | $4.49 | $5.19 | $4.42 | $4.78 |
| Central Appalachia | Wisconsin | - | - | - | - | - | - | - | - | - |
| Southern Appalachia | Alabama | W | - | - | - | - | - | - | - | - |
| Southern Appalachia | Ohio | - | - | - | - | - | - | - | - | - |
| Illinois Basin | Alabama | W | W | W | W | - | - | - | - | - |
| Illinois Basin | Florida | $10.66 | $8.63 | W | W | W | W | W | W | W |
| Illinois Basin | Indiana | W | W | W | W | W | W | W | W | W |
| Illinois Basin | Iowa | - | - | - | - | - | - | - | - | - |
| Illinois Basin | Kentucky | $3.99 | $4.22 | $4.28 | $4.52 | $4.43 | $4.83 | $6.59 | $7.07 | $7.44 |
| Illinois Basin | Louisiana | W | W | W | W | W | W | W | W | W |
| Illinois Basin | Minnesota | - | - | - | - | - | - | - | - | - |
| Illinois Basin | Mississippi | W | W | W | - | W | W | - | - | W |
| Illinois Basin | Missouri | - | - | - | - | - | - | - | - | - |
| Illinois Basin | Ohio | $5.63 | $4.62 | $4.86 | $5.95 | $5.54 | $6.33 | $7.33 | $9.48 | W |
| Illinois Basin | Pennsylvania | - | - | - | - | - | - | - | - | - |
| Illinois Basin | Tennessee | W | W | W | W | W | W | W | W | W |
| Illinois Basin | West Virginia | W | - | - | - | W | W | W | W | W |
| Illinois Basin | Wisconsin | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Alabama | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Illinois | W | - | - | - | - | - | - | - | - |
| Powder River Basin | Indiana | - | - | - | - | - | W | - | - | - |
| Powder River Basin | Iowa | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Kentucky | - | - | - | - | - | - | W | W | - |
| Powder River Basin | Louisiana | - | - | - | - | W | - | - | - | - |
| Powder River Basin | Michigan | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Mississippi | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Ohio | - | W | - | - | - | - | - | - | - |
| Powder River Basin | Pennsylvania | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Tennessee | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Texas | W | - | - | - | - | - | - | - | - |
| Powder River Basin | West Virginia | - | - | - | - | - | - | - | - | - |
| Powder River Basin | Wisconsin | - | - | - | - | - | - | - | - | - |
| Uinta Region | Alabama | - | - | - | - | - | - | - | - | - |
| Uinta Region | Florida | W | - | - | - | - | - | - | - | - |
| Uinta Region | Indiana | - | - | - | - | - | - | - | - | - |
| Uinta Region | Iowa | - | - | - | - | - | - | - | - | - |
| Uinta Region | Kentucky | - | - | - | - | - | - | - | - | - |
| Uinta Region | Mississippi | W | - | - | - | - | - | - | - | - |
| Uinta Region | Ohio | - | - | - | - | - | - | - | - | - |
| Uinta Region | Tennessee | - | - | - | - | - | - | - | - | - |

Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

W = Withheld to avoid disclosure of individual company data.

Notes: Rates are based on a weighted average of the difference between the commodity cost and total delivered cost of coal shipments to plants in the electric power sector. In addition, the rates are based on the primary transport mode selected by a plant's owner or operator so may include other secondary or tertiary modes. Values are presented in nominal dollars. For the composition of coal basins, refer to the definition of "coal-producing regions" in EIA's glossary at www.eia.gov/tools/glossary.