

# California

In 2011, California ranked ninth in the U.S. in coal exported through state ports, shipping 1.5 million short tons (mmst) of coal abroad. While 88 workers were employed in coal mining operations, no coal produced in California was exported abroad. Shipments of exported coal resulted in 440 direct, indirect, and induced jobs related to port operations and cargo handling. These exports generated \$11 million of spending at ports and \$39 million of spending on other transportation services.

The table illustrates the estimated contributions of three components of California's coal-export industry:

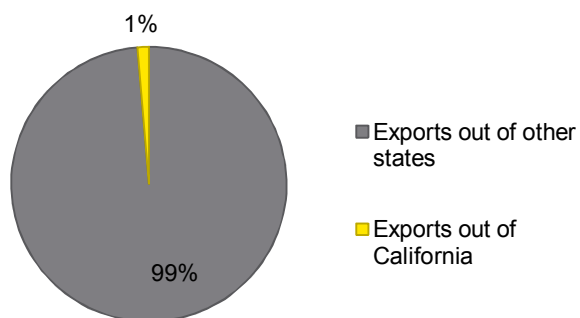
- ▶ Coal exported through California ports in 2011 accounted for 1.4 percent of all U.S. exports, which totaled 107.3 mmst.
- ▶ 2011 expenditures on transportation and port and cargo services by coal exporters directly employed an estimated 120 and 50 workers, respectively, earning a combined \$16m.
- ▶ The indirect effects from purchases of operating inputs and the induced effects of consumer spending by direct and indirect employees at California restaurants, retail establishments, and personal services firms supported an estimated 5,920 workers with income of \$410m, and gross value added (GDP) totaling \$727m.
- ▶ The total estimated direct, indirect, and induced contribution related to exports in 2011 is 6,100 jobs, \$427m of labor income, and \$754m of gross value added.

## Estimated economic contributions related to coal exports

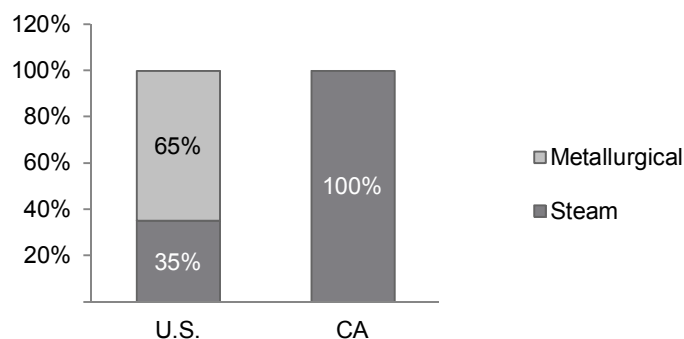
Millions of 2011 dollars; number of full- and part-time employees

	Actual 2011		
	Direct	Indirect & induced	Total
<b>Employment</b>			
Mining operations	10	3,540	3,550
Downstream transportation	120	1,990	2,110
Port operations & cargo handling	50	390	440
<b>Total</b>	<b>180</b>	<b>5,920</b>	<b>6,100</b>
<b>Labor income</b>			
Mining operations	\$1	\$275	\$276
Downstream transportation	\$12	\$114	\$126
Port operations & cargo handling	\$4	\$21	\$25
<b>Total</b>	<b>\$17</b>	<b>\$410</b>	<b>\$427</b>
<b>Gross value added</b>			
Mining operations	\$1	\$495	\$496
Downstream transportation	\$21	\$195	\$216
Port operations & cargo handling	\$4	\$38	\$41
<b>Total</b>	<b>\$27</b>	<b>\$727</b>	<b>\$754</b>

Coal exports leaving California as a share of total U.S. exports



2011 composition of U.S. exports and exports leaving California



**Notes:**

Transportation includes barge, rail, & truck transport.  
Values may not appear to sum due to rounding.

Source: Ernst & Young LLP analysis.

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