

## Publications

Goldman, George and Vijay Pradhan. "The Economic Impact of California's Prison industries." Department of Agricultural and Resource Economics, University of California, Berkeley, December 2001, 41p

Goldman, George and Aya Ogishi. "The Economic Impact of Waste Disposal and Diversion in California." Department of Agricultural and Resource Economics, University of California, Berkeley, April 2001, 105p.

Goldman, George, Bruce McWilliams, Vijay Pradhan, and Cheryl Brown. "The Economic Impact of Recreation in the Delta." Department of Agricultural and Resource Economics, University of California, Berkeley, November 1998, 15p.

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## PIA

This project examined the impact of the California Prison Industry Authority (PIA) on both the economic regions in which it operates and on the state of California as a whole. The economic impacts of PIA on California are \$230.1 million in sales, \$142.4 million in income, and 3,000 jobs (including PIA employees). Purchases of inputs to PIA industries contribute much more to the sales impacts (\$86.3 million) compared to personal services (\$78.3 million), and facility and general operating (\$65.4 million). However, in terms of impacts on jobs, personal services account for the most impacts (871 jobs, excluding 692 PIA employees), followed by inputs to PIA industries (730 jobs), and facility and general operating (707 jobs).

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## Impacts of PIA work:

The PIA report demonstrates the positive economic impacts that this controversial program has upon the rest of the state. This should be useful to state policymakers and state agencies.

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## Waste Disposal

This project is the first attempt to estimate the economic impacts of the waste disposal and diversion system in California. The economic impacts from diversion and disposal at

1999 rates are 16-19% higher than the impacts if all the waste was disposed. The study also looked at the economic impacts in six regions of California. Waste diversion and disposal at 1999 rates have stimulated the regional economies more than if all the generation had gone to disposal-only in all regions but the Eastern California Region. The cost advantages for diverted materials come partly from the saving of landfill fees. The added positive impacts of diversion come from sales of the separated materials, their processing into feedstock, sales of energy for transformation and biomass products, and the value added in manufacturing that uses recycled feedstock. Typically, for every marginal ton of waste disposed in 1999, we estimate that \$108 in total income impacts and \$144 in value-added impacts would have been generated in the state economy. Whereas, for every marginal ton of waste diverted, \$206 in total income impacts and \$286 in value-added impacts would be generated.

#### Impact of Waste Disposal report

This project demonstrated the positive economic impact in California, and the regions of California, of diversion, as opposed to disposal, of waste material. This has important policy implications for diversion and recycling activities as the state tries to reach the legislative goal of a 50% reduction in landfill.

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#### Delta Project

The report estimates the impacts of recreational expenditures (boating and fishing) on the Delta region economy. The total boating expenditures of \$247 million generate \$445 million in total output, \$183 million in income, \$279 million in value added, and 8,058 jobs within the Delta region. For fishing, expenditures of \$186 million generate \$336 million in total output, \$138 million in income, \$209 in value-added, and 6,152 jobs.

These values represent 1.7 percent of total Delta income and 3.2 percent of employment in the Delta for boating recreation. Fishing recreation impacts represent 1.3 percent of total Delta income and 2.5 percent of employment.

#### IMPACTS

This project estimated the economic impacts of recreation in the Delta. This should be useful to the Delta Protection Commission, which requested the study, as well as regional and statewide policy makers.