



The Economic Impact of the

Archie Bray Foundation for the Ceramic Arts

Patrick M. Barkey

Bureau of Business. & Economic Research

University of Montana

The Impact of Archie Bray

- Compare the actual economy to what the economy would look like if Archie Bray did not exist
- Quantify the income/production/sales in the Montana economy that are due to Archie Bray operations
- Use an economic model (REMI) to compute a new “resting point” for economy without AB

Three Aspects of Archie Bray

- Operations: Produces and sells ceramics, 5 full time and 9 part-time workers, wages and benefits of about \$500,000.
- Education: Hosts artists in residence and workshops that bring people to Helena for extended stays.
- Festivals: Hosts occasional summer events that attract “cultural tourists” from outside Montana/Helena.

Direct Impacts of Archie Bray

- Producing art of approx. \$1.2 million per year. Classified AB in NAICS 32711 (Pottery, ceramics and plumbing fixtures manufact.)
- Used spending profiles of UM students to represent spending of resident artists and workshop participants
- Considered impact of festivals in separate analysis

Operations:	NAICS 32711 Pottery, ceramics and plumbing fixture mfg.						
	14 Employees						
	\$1.2 Million Output						
	\$500 thousand compensatoin						
Festival:	\$500 thousand additional output						

Resident Artists:				
	11 Visiting Artists, 40 day stay			
	10 Year-round Resident Artists			
	10 Seasonal Resident Artists, 4 month stay			
	167 Person-Months			
	\$1,549 Monthly Spending (UM Student Profile)			
	\$258,081 Total Spending			

Interpretation of Results

- Figures cited represent the economic activity in Montana that is due to AB
- Two columns of results are shown: Recurring and Festival
- Recurring figures represent non-festival year impacts
- Festival figures reflect recurring figures plus the additional impact of festival activities

Impacts Summary

Category	Units	Impact	
		Recurring	Festival
Total Employment	Jobs	26	37
Private Sector	Jobs	23	34
Personal Income	\$ Thousands	1,428	2,120
Disposable Pers. Income	\$ Thousands	1,228	1,824
Output	\$ Thousands	2,854	4,059
Population	People	36	53

Personal Income Impact, \$ Thousands

Category	Impact	
	Recurring	Festival
Total Earnings by Place of Work	1,152	1,704
Total Wage and Salary Disbursements	862	1,272
Supplements to Wages and Salaries	309	457
Employer contributions for employee pension and insurance funds	200	295
Employer contributions for government social insurance	110	162
Proprietors' income with inventory valuation and capital consumption adjustments	9	15
Less: Contributions for government social insurance	209	308
Employee and self-employed contributions for government social insurance	99	146
Employer contributions for government social insurance	110	162
Plus: Adjustment for residence	-4	-6
Gross In	18	27
Gross Out	22	32
Equals: Net earnings by place of residence	1,048	1,550
Plus: Rental, Personal interest, and Personal dividend income	292	434
Plus: Personal current transfer receipts	88	133
Equals: Personal Income	1,428	2,120
Less: Personal current taxes	197	292
Equals: Disposable personal income	1,228	1,824

Output Impacts, \$ Thousands

Category	Impact	
	Recurring	Festival
Forestry, Fishing, and Related Activities	-1	-1
Mining	-2	-2
Utilities	43	57
Construction	227	340
Manufacturing	1,572	2,152
Wholesale Trade	95	131
Retail Trade	175	255
Transportation and Warehousing	2	5
Information	12	17
Finance and Insurance	5	7
Real Estate and Rental and Leasing	97	135
Professional, Scientific, and Technical Services	43	62
Management of Companies and Enterprises	-1	-1
Administrative and Waste Management Services	33	49
Educational Services	5	8
Health Care and Social Assistance	131	190
Arts, Entertainment, and Recreation	15	30
Accommodation and Food Services	113	209
Other Services, except Public Administration	42	62
State and Local Government	249	358
TOTAL	2,854	4,059

Summary

- Archie Bray has impacts on the economy that are significantly larger than its own operations themselves
- It ultimately supports 26 year-round jobs and about \$1.4 million of income to Montana households (37 year-round equivalent jobs and \$2.1 million in festival years)