

# [A Solution to the Public Good Provision Problem](#)

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## **Abstract**

I propose a solution to the public good provision problem when the population is large and the government has the power to tax. The solution is a generalization of the celebrated pivotal mechanism to environments with implementation costs, and as such I call it the cost-sharing pivotal mechanism. I propose a new participation constraint and a new fairness principle. The cost-sharing pivotal mechanism satisfies both while also being strategy-proof, efficient, and asymptotically ex-post budget-balanced. I show that the Clarke mechanism violates both, and in fact a much weaker criterion: if nothing is produced, no one should pay.