A CALIFORNIA SUGAR-SWEETENED BEVERAGE TAX

WHAT COULD IT MEAN FOR YOUR COMMUNITY?

A 2-cent per ounce sugar-sweetened beverage (SSB) tax is a win-win policy. It would raise significant revenue and, if invested in prevention programs, keep Californians healthy, reduce diabetes and obesity, lower our state's long-term health care costs, and improve Californians' quality of life.

A SIMPLE, EFFECTIVE POLICY



Taxes on unhealthy sodas, sports drinks, juice drinks, and sweetened teas are widely supported by voters in California and have passed at the ballot box in **Berkeley, Oakland, San Francisco and Albany.** Additionally, Philadelphia, Seattle, Boulder, and 42 nations—representing more than 2 billion people—have also adopted SSB taxes.



The most recent proposal for California would levy a **2-cent per ounce tax** on sugar-sweetened beverages sold statewide. If approved by voters or legislators, this small investment would **raise an estimated \$1.7 billion**¹ in its first year. If passed by the Legislature, \$700 million of those dollars would go to education.²



Numerous studies have proven the effectiveness of an SSB tax, which is estimated to yield a decline in consumption equal to ten gallons each year per capita.³ Research in Berkeley found a 10 to 21 percent decline in consumption in its first year,⁴ and 44 percent by the third year.⁵ In Philadelphia—under a higher tax rate—**sales of taxed drinks fell by 27 to 51 percent**.⁶ Both cities saw a corresponding **16⁷ to 63⁸ percent increase in water consumption**. Overall beverage sales did not decline, water sales went up, and employment in the food and beverage sector stayed strong.⁹



If the 2-cent sugar-sweetened beverage tax was implemented across California, it would **reduce health care costs by at least \$5 billion over ten years.**¹⁰

DELIVERING POSITIVE COMMUNITY IMPACT

Pairing the positive health effects of reducing consumption with a significant reinvestment of revenue in health promotion, disease prevention and health equity would magnify the benefits of a sugar-sweetened beverage tax, helping to grow the economy, create new community infrastructure, strengthen our schools, and improve our quality of life.

At \$1.7 billion¹¹ in annual revenue, an SSB tax would offer countless opportunities to invest in community health. Here are just two possible scenarios representing roughly what could be accomplished in the first year:

1) RAISING HEALTHY CHILDREN

- Remove lead water service lines¹² and install new water fountains in all 10,473 public schools;¹³
- ✓ Provide salad bars for every cafeteria;¹⁴
- ✓ Build playgrounds¹⁵ or install gym equipment on every campus,¹⁶ and
- Hire a professional school nurse for every school.¹⁷



2) BUILDING HEALTHY COMMUNITIES

- ✓ Construct 4,000 miles of bike paths and walking trails across California;¹⁸
- ✓ Build 100 senior centers statewide;¹⁹
- Provide Meals on Wheels for 200,000 older and disabled adults;²⁰ and
- Create 100 community parks in low-income communities.²¹



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SOURCES

1) Rudd Center for Food Policy and Obesity. (2019) Revenue calculator for sugary drink taxes. Retrieved at: http://www.uconnruddcenter.org/revenuecalculator-for-sugary-drink-taxes

2) Authors' Note: Proposition 98 requires a portion of all revenue be allocated to education.

3) Rudd Center for Food Policy & Obesity.

4) Silver LD, Ng SW, Ryan-Ibarra S, Taillie LS, Induni M, Miles DR, Poti JM, Popkin BM.(2017, April 18). Changes in prices, sales, consumer spending, and beverage consumption one year after a tax on sugar-sweetened beverages in Berkeley, California, US: A before-and-after study. PLoS Med, 14(4):e1002283. DOI: 10.1371/journal.pmed.1002283. eCollection 2017 Apr.PMID:28419108

5) Matthew M. Lee, Jennifer Falbe, Dean Schillinger, Sanjay Basu, Charles E. McCulloch, Kristine A. Madsen. Sugar-Sweetened Beverage Consumption 3 Years After the Berkeley, California, Sugar-Sweetened Beverage Tax. American Journal of Public Health, 2019; e1 DOI: 10.2105/AJPH.2019.304971

6) Christina A. Roberto, PhD; Hannah G. Lawman, PhD; Michael T. LeVasseur, PhD, MPH–; et al; Nandita Mitra, PhD; Ana Peterhans, MPH; Bradley Herring, PhD; Sara N. Bleich, PhD. Association of a Beverage Tax on Sugar-Sweetened and Artificially Sweetened Beverages With Changes in Beverage Prices and Sales at Chain Retailers in a Large Urban Setting. JAMA. 2019;321(18):1799-1810. doi:10.1001/jama.2019.4249

7) Silver, et al.

8) Zhong Y, Auchincloss AH, Lee BK, Kanter GP. (2018, July). The short-term impacts of the Philadelphia beverage tax on beverage consumption. Am J Prev Med, 55(1):26-34. DOI: 10.1016/j.amepre.2018.02.017. Epub 2018 April 12.

9) Silver L. (2017) Jobs, revenue rise after Berkeley tax. Public Health Institute, Oakland CA (brief). Accessed at: http://www.phi.org/ resources/?resource=berkeley-soda-tax-boosts-jobs-revenues

10) Haddix A, personal communication, July, 5, 2019, adapted from Michael W. Long, ScD, Steven L. Gortmaker, PhD, Zachary J. Ward, MPH, Stephen C. Resch, PhD, Marj L. Moodie, DrPH, Gary Sacks, PhD, Boyd A. Swinburn, MD, Rob C. Carter, PhD, Y. Claire Wang, MD, ScD. Cost Effectiveness of a Sugar-Sweetened Beverage Excise Tax in the U.S. Am J Prev Med 2015;49(1):112-123)

11) Rudd Center for Food Policy & Obesity.

12) National Conference of State Legislatures (2018, February) Lead Water Service Lines: Cost for Replacing LSL. Retrieved at: http://www.ncsl.org/ research/environment-and-natural-resources/lead-water-service-lines.aspx. Note: Cost is variable. Calculation assumes \$5,000 per service line for a total cost of \$52.3 million.

13) HomeAdvisor (2019, June) How Much Does It Cost To Install A Drinking Water Fountain? Retrieved at https://www.homeadvisor.com/cost/ plumbing/drinking-fountain-installation/. Note: Assumes \$4,000 per modern, touchless, filtered water fountain at a rate of one fountain per 100 students for a total cost of \$249 million

14) Whole Kids Foundation (2019, January) Whole Kids Foundation grants \$500,000 to provide 150 new salad bars to schools across the U.S. Retrieved at: (https://www.wholekidsfoundation.org/blog/wkf-awards-salad-bars-2019. Note: Calculated assuming 10,473 schools at a similar per unit cost for a total cost of \$34.9 million.

15) Age of Awareness (2017, April) How Much Does Commercial Playground Equipment Cost? Retrieved at: https://medium.com/age-of-awareness/ how-much-does-commercial-playground-equipment-cost-ed74ce947671.

16) Athletic Business (2014, September) What to Consider When Adding Outdoor Fitness to a Park. Retrieved at: https://www.athleticbusiness.com/ outdoor/what-to-consider-when-adding-outdoor-fitness-to-a-park.html. Note: Calculation assumes either an average cost of \$30,000 for a moderatesized playground or \$30,000 for a high-quality outdoor gym for a total cost of \$313 million.

17) Transparent California (2019, June) School Nurse Search Results. Retrieved at: https://transparentcalifornia.com/salaries/ search/?q=school+nurse&s=base. Note: Assumes one nurse per campus at an average cost of \$100,000 per year for salary and benefits adding up to a total of \$1.1 billion statewide.

18) PedBikeInfo.org (2013, October) Costs for Pedestrian and Bicyclist Infrastructure Improvements. Retrieved at: http://www.pedbikeinfo.org/cms/ downloads/Countermeasure%20Costs_Report_Nov2013.pdf. Note: Assumes a typical cost of \$83,870 per mile of unpaved path for a total of \$335 million

19) Acton Senior Center. (2012, March) Senior Center Building Committee FAQ's. Retrieved at: https://www.actoncoa.com/DocumentCenter/ View/47/Senior-Center-Building-Committee-FAQs-PDF?bidId=. Note: Assumes a cost of \$7.7 million to build one large senior center, for a total cost of \$770 million for 100 senior centers.

20) Fottrell, Q. (2017, March 19). This is how much it costs 'Meals on Wheels' to feed one elderly person for a year. MarketWatch.com. Retrieved at: https://www.marketwatch.com/story/this-is-how-much-it-costs-meals-on-wheels-to-feed-one-elderly-person-for-a-year-2017-03-16 Note: Assumes a cost of \$2,765 for 250 days of meal for a total of \$553 million.

21) The Trust for Public Land (2008, April) Downtown Parks: Funding Methods, Management Structures and Costs. Retrieved at: http://cloud.tpl. org/pubs/ccpe-DowntownParkFinance-inMN.pdf. Note: Assumes an average cost of \$481,333 for the creation of a park on land already owned by a municipality, for a total cost of \$48 million.