

"וְנָחֲלֶתֶם אוֹתָהּ אִישׁ כְּאֻזְלוֹ" (יחזקאל מ"ד 14)

תקצוב משתף

Participatory Budgeting

אראל סגל-הלוי

חלק מהשקפים של נמרוד טלמון

איפה הכסף?

Participatory Budgeting

Brazil (Latin-America)

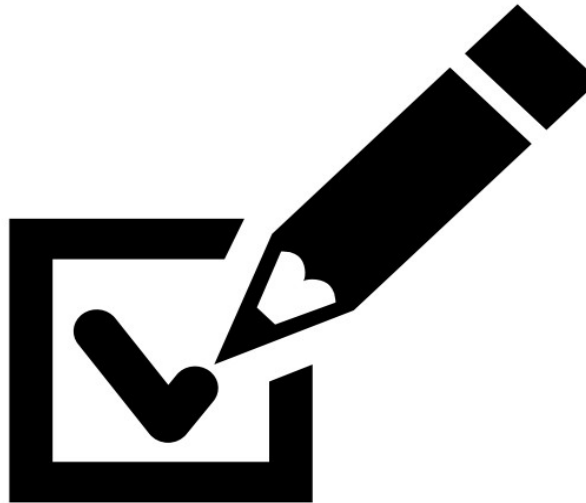
- US (> 500 places)
- Paris (> 20M€)
- Italy (0.5% of taxes)



Cabannes; Participatory budgeting: A significant contribution to participatory democracy

Participatory Budgeting in
Cambridge 2015

BALLOT



Voting Instructions

- All Cambridge residents ages 12 and over may vote.
- You may vote for up to five (5) projects.
- You cannot vote for the same project more than once.
- Ballots marked with more than five (5) votes are invalid and will not be counted.
- Mark boxes clearly with an "X," a check mark, or fully shade them in.
- Use black or blue ink. Ballots marked in pencil will not be counted.



Culture & Community Facilities



A. Mural Project at Russell Field

\$22,000

Russell Field FieldHouse, Rindge Ave

A middle-school student in North Cambridge proposed installing a mural in his neighborhood that "shows the community of Cambridge." The mural will be installed on the Russell Field Fieldhouse.



B. Furniture for the O'Connell Library

\$36,000

East Cambridge (48 Sixth Street)

The furniture at the O'Connell library is quite worn down. This proposal would provide the library with new tables, chairs, computer workstations, and loveseats for parents and children to read together.



C. Bilingual Books for Children Learning English

\$7,000

Citywide

This will fund the purchase of 300+ bilingual books for Cambridge children in the "Agenda for Children's Literacy" Initiative project who are learning English, learning to read, & have limited/no access to books in their home language.



D. Little Free Libraries (Book Exchanges)

\$13,000

13 locations - 1 in each neighborhood.

Informal Book Exchanges are already popular in Cambridge on streets and at the DPW yard. This project would install 13 Little Free Libraries to support literacy, community engagement, and fun throughout the streets of our city.



E. Computers for the Community Learning Center

\$27,000

Community Learning Center, 5 Western Avenue

At the CLC, students can improve their English or pursue a High School Equivalency Diploma. The CLC has 18 laptops and 12 ThinkPads for 630 adult learners. Project would fund 20 additional laptops, keyboards, mice and storage cart for the students.



Streetsmarts



F. Bike Repair Stations

\$12,000

8 locations around Cambridge

Install 8 bike repair stations with tools and bike pumps around the City for cyclists to quickly, easily, and freely fix routine bike problems. Locations include 2 libraries, 2 T stops, 3 parks (includes Inman Sq), and Fresh Pond Parkway.



G. Renovation of Bus Shelter at Comeau Field & Rindge Ave.

\$75,000

Rindge Avenue at Comeau Field, North Cambridge

This project entails a major redesign and renovation, with community participation, of the #83 bus shelter. New features will include acrylic panels with cut-out figures and a roof element reflective of nearby recreation and natural habitat.



H. Wayfinding Banners - Neighborhood & Commercial Identity

\$15,600

13 City Profile Areas of Cambridge

Hang banners in 13 strategic high-traffic, high-density business and neighborhood areas to identify commercial and/or neighborhood-specific local areas in Cambridge. This would support commerce, diversity, and neighborhood integrity.



I. Traffic Garden

\$200,000

Location will be determined through a community process

A Dutch Traffic Garden, called "Safety School" in the U.S., is a permanent park for children to learn transportation etiquette by role playing. Kids take turns biking, walking, and driving a miniature streetscape in a safe environment.



J. Bus Shelter Monitors with Real Time Arrival

\$30,000

Inman Square

Install 2 real time bus arrival monitors with digital displays at the bus shelters at Cambridge Street & Hampshire Street and Cambridge Street & Inman Street.

Project	Total Votes	Project Cost	Cumulative Project Costs
100 new trees	1,441	\$ 119,400	\$ 119,400
CLC computers	1,110	\$ 27,000	\$ 146,400
Bilingual books	970	\$ 7,000	\$ 153,400
Central Square toilet	945	\$ 320,000	\$ 473,400
Bike repair stations	917	\$ 12,000	\$ 485,400
Free outdoor wifi	875	\$ 42,000	\$ 527,400
Danehy amphitheater	786	\$ 350,000	
Bus shelter real time monitors	748	\$ 30,000	
Little free libraries	620	\$ 13,000	
O'Connell Lib furniture	534	\$ 36,000	
North Camb. community garden	521	\$ 240,000	
Planting materials	506	\$ 40,000	
Traffic garden	475	\$ 200,000	
Danehy fitness equipment	468	\$ 65,000	
Dog park	302	\$ 250,000	
Peace garden	297	\$ 340,000	
Russell Field mural	289	\$ 22,000	
Wayfinding banners	274	\$ 15,600	
83 bus shelter renovation	271	\$ 75,000	
Raymond Park community garden improvements	193	\$ 20,000	
	12,542	\$ 2,224,000	

השיטה המקובלת – "שיטת התרמיל" (knapsack budgeting)

(1) מסדרים את הנושאים בסדר יורד של מספר הקולות שקיבלו.

(2) מכניסים נושאים לתקציב, עד שהעלות מגיעה לסכום הכולל בקופה.

חוסר-הוגנות בשיטת התרמיל

• נניח ש:

- יש 20 מקומות אפשריים לבתי-ספר.
- הכסף בקופה מספיק ל-10 בתי-ספר.
- 51% מהאזרחים גרים בשכונה א.
- 49% מהאזרחים גרים בשכונה ב.
- תקציב בשיטת התרמיל יגרום לכך שכל 10 בתי-הספר יהיו בשכונה א.
- לא הוגן כלפי שכונה ב!

המטרה: תקצוב משתף הוגן.

סוגי אלגוריתמים לחלוקת תקציב:

1. בדיד – לכל פריט יש עלות; כל פריט ממומן במלואו או בכלל לא.
* מתאים למימון פרויקטי בניה.

2. רציף – כל פריט יכול להשתמש בכל סכום שנותר לו.
* מתאים למימון ארגונים ועמותות.

המטרה:
תקצוב משתף הוגן.

איפה הכסף?