



SAN DIEGO COMMUNITY COLLEGE DISTRICT

CITY COLLEGE • MESA COLLEGE • MIRAMAR COLLEGE • CONTINUING EDUCATION

Report on Open Educational Resources and Reducing Textbook Costs for Students

Progress, Improvements, and Survey Results

Fall 2019

**Board Of Trustees Meeting
January 30, 2020**

Background

- Cable Green – Fall 2016
- Open Educational Resources (OER) Subcommittee by DGC – Spring 2018
- Two-year OER Adoption Plan – Fall 2018
- Comprehensive perspective of lowering textbook costs resulted in expanding the definition of textbook affordability to include zero-cost, low-cost, and open educational resources – Fall 2019

Cost Savings to Students

Fall 2019									
College/ Continuing Education	Rentals	New No Cost Digital	Digital/ e-Books	New Low Cost*	Used Books	OER	Textbooks on Reserve†	No Textbook Required (Bookstore)‡	Total
City	\$6,407	\$47,858	\$74,200	\$107,204	\$31,175	\$53,841	\$136,012	\$396,826	\$853,523
Mesa	\$38,945	\$65,700	\$327,240	\$77,880	\$55,200	\$137,970	\$139,910	\$463,185	\$1,306,030
Miramar	\$9,993	\$225,432	\$91,400	\$23,822	\$29,750	\$148,409	\$134,650	\$101,444	\$764,900
Continuing Education	n/a	\$45,390	n/a	\$121,930	n/a	\$72,090	n/a	n/a	\$239,410
Total	\$55,345	\$384,380	\$492,840	\$330,836	\$116,125	\$412,310	\$410,572	\$961,455	\$3,163,863

Source: SDCCD Bookstore

* Low Cost are textbooks that cost \$40 or less

† Library Reserves are estimated cost savings based on the number of textbooks on reserve.

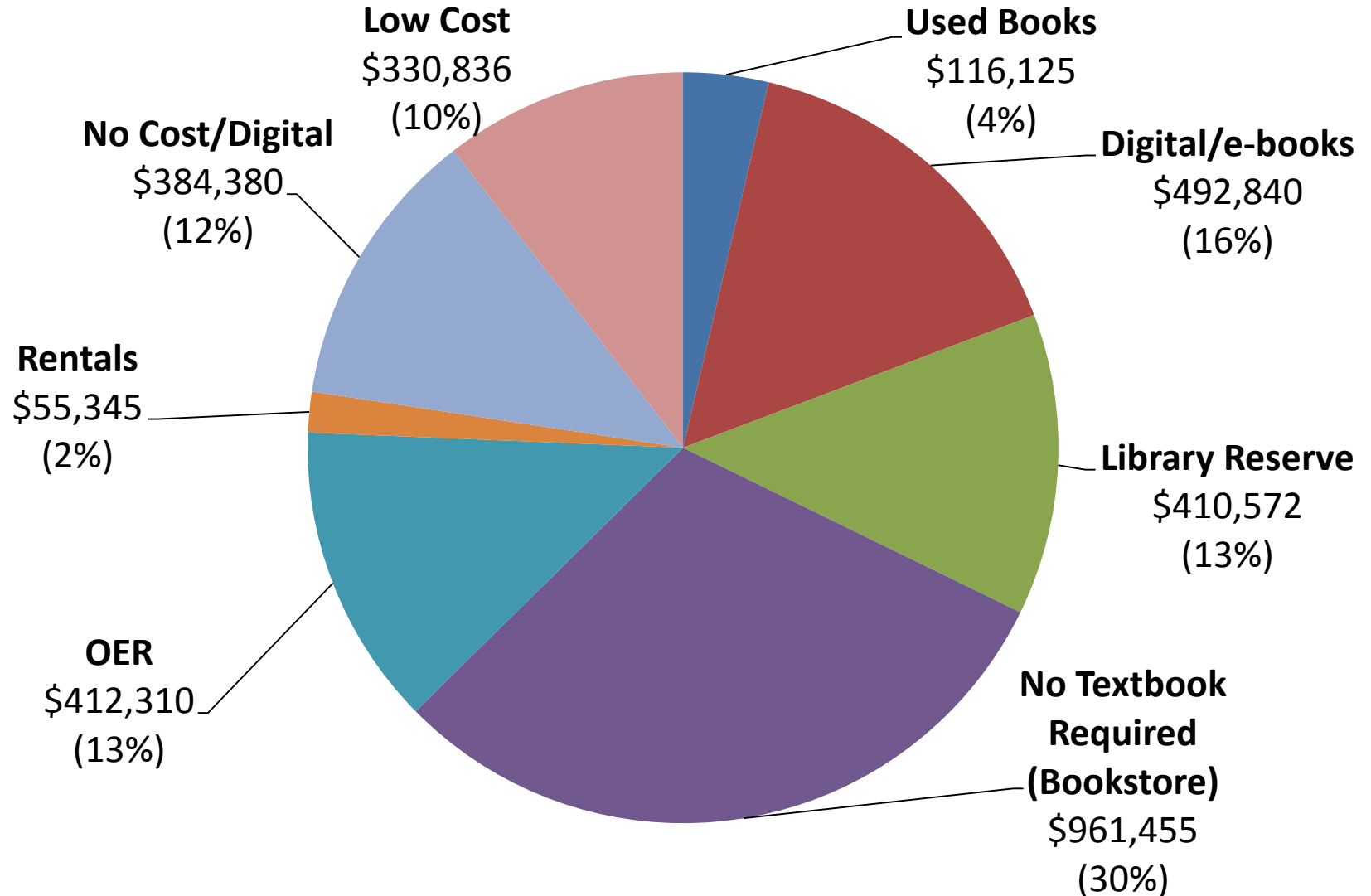
‡ No Textbook Required information is from the SDCCD Bookstore and is noted in the Online Class Schedule.

\$3,163,863
Total Savings
Districtwide

Cost Savings by Category

Top 4 Cost Savings Categories

1. No Textbook Required
2. Digital/e-books
3. OER
4. Library Reserve



2019 Survey of Low Cost, No Cost, and OER Usage



Survey Background

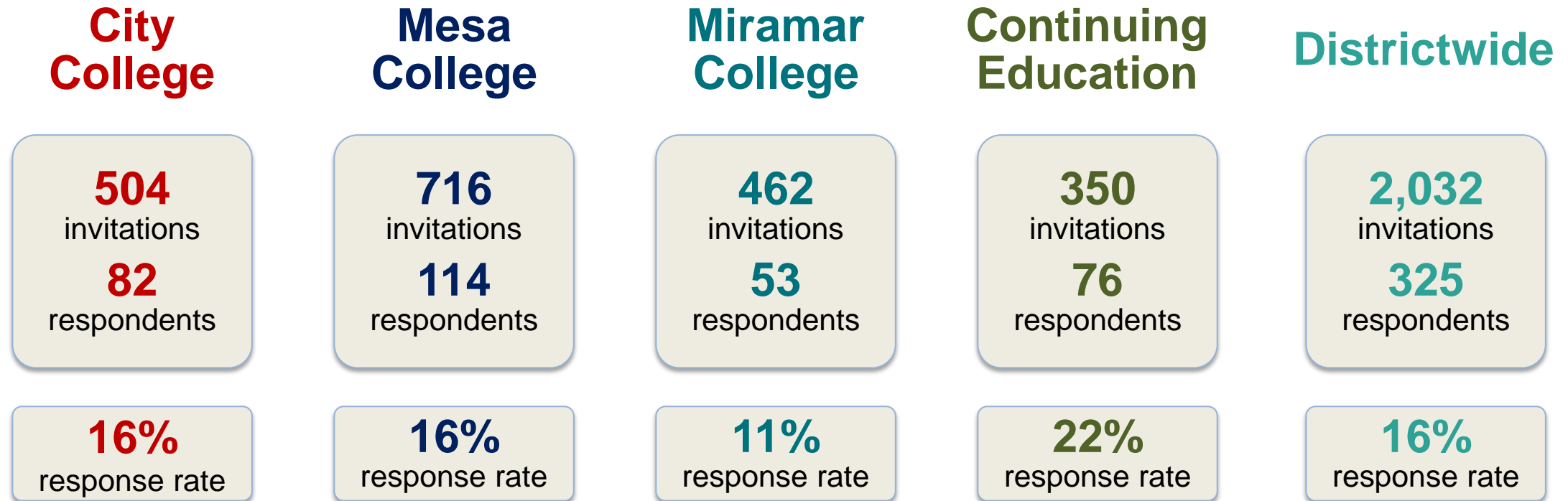
- A survey was conducted in Spring 2019 to assess progress toward achieving the Board of Trustees' goal to develop a strategic approach to reduce escalating costs. Part of that approach includes **15% of available classes will use OER**
- The Spring 2019 survey was a follow-up to four surveys conducted by the colleges and Continuing Education in 2016, which found a **strong interest in OER among faculty, but a mixed state of implementation.**
- The 2019 survey was conducted to provide more information about the following:
 - Increased use of OER since 2016
 - Other efforts to lower textbook costs for students
 - Challenges faculty encounter when considering the use of OER

Survey Terminology

1. **Open Education Resources (OER)** - teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property license that permits their free use and re-purposing by others.
2. **Zero Textbook Cost (ZTC)** - courses with \$0 student cost for all course textbooks and content.
3. **Low Course Cost (LCC)** - courses with \$40 or less student cost for all course textbooks, content, and materials.

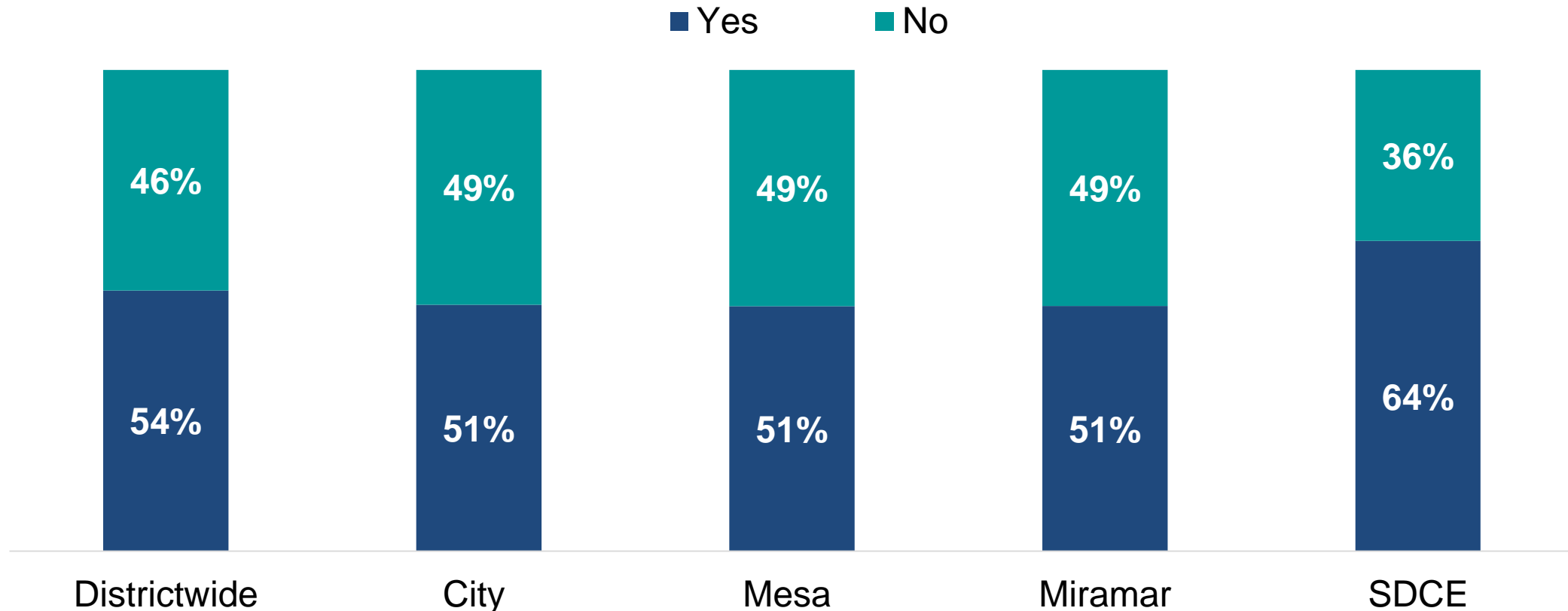
Survey Sample

- The survey was emailed to 2,032 SDCCCD faculty who taught a class in Spring 2019; 325 faculty responded, for a response rate of 16%.
- 56% of respondents were adjunct faculty, 44% were contract faculty.



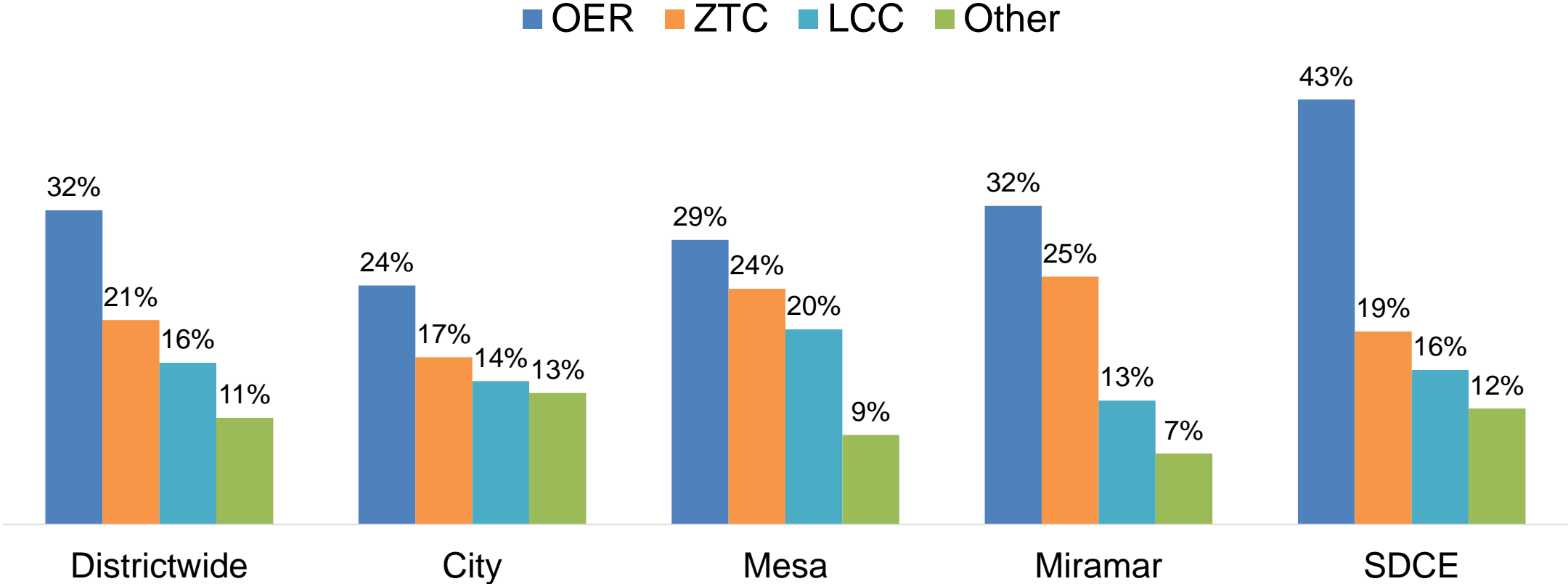
Faculty Use of OER or Other Resources

- **Over half of the respondents** districtwide are either using OER, or their classes qualify as Zero Textbook Cost (ZTC) or Low Course Cost (LCC).



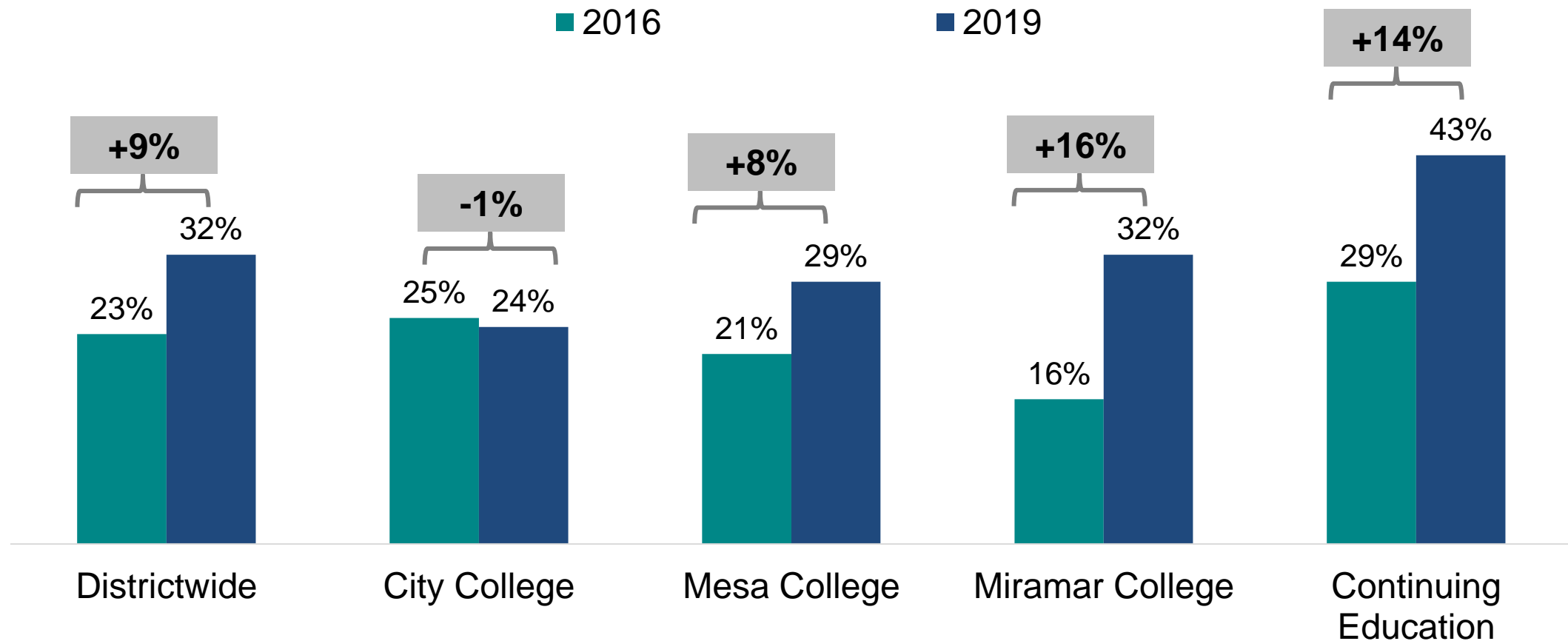
Faculty Use of OER and Other Resources

- **OER use averaged 32% Districtwide**, and varied by institution (CE: 43%, Miramar: 32%, Mesa: 29%, City: 24%).



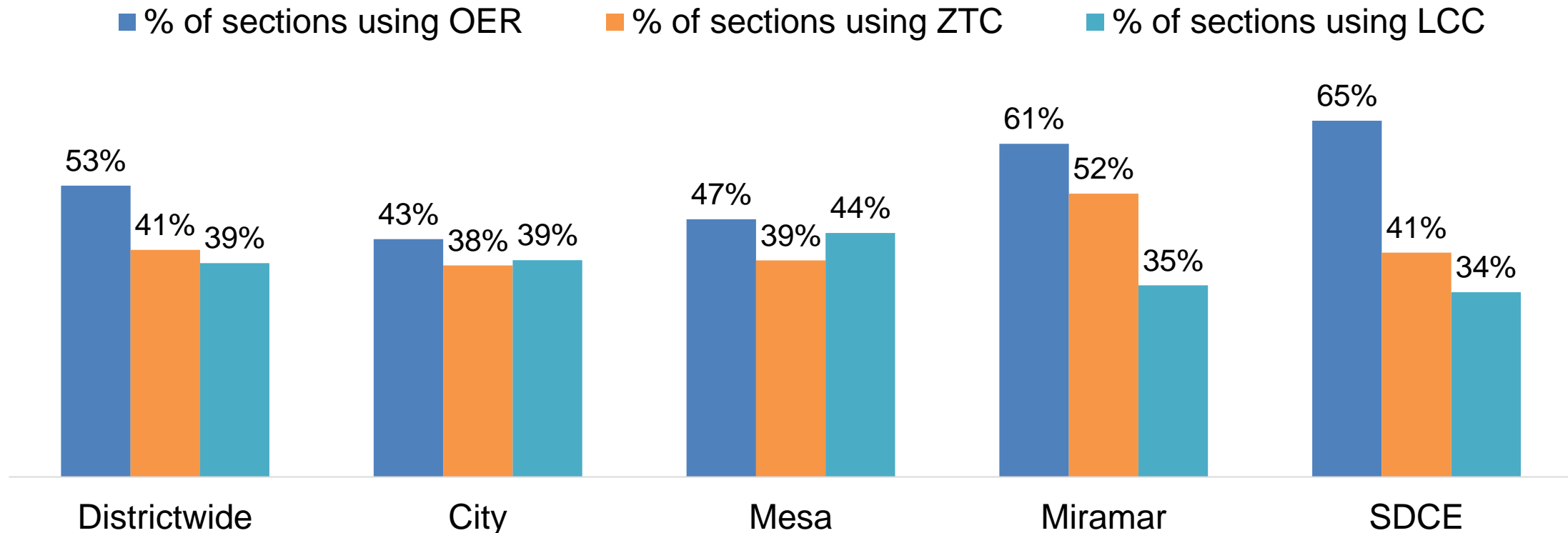
Growth of OER Use

- Compared to findings from the 2016 surveys, OER use has grown at each of the institutions, except City College.



Sections Using OER and other Resources

- Use of Open Educational Resources (OER) was reported by the respondents in **over half of sections Districtwide.**



Responses are not mutually exclusive.

Enrollments in OER, Zero Textbook Cost , or Low Course Cost Classes

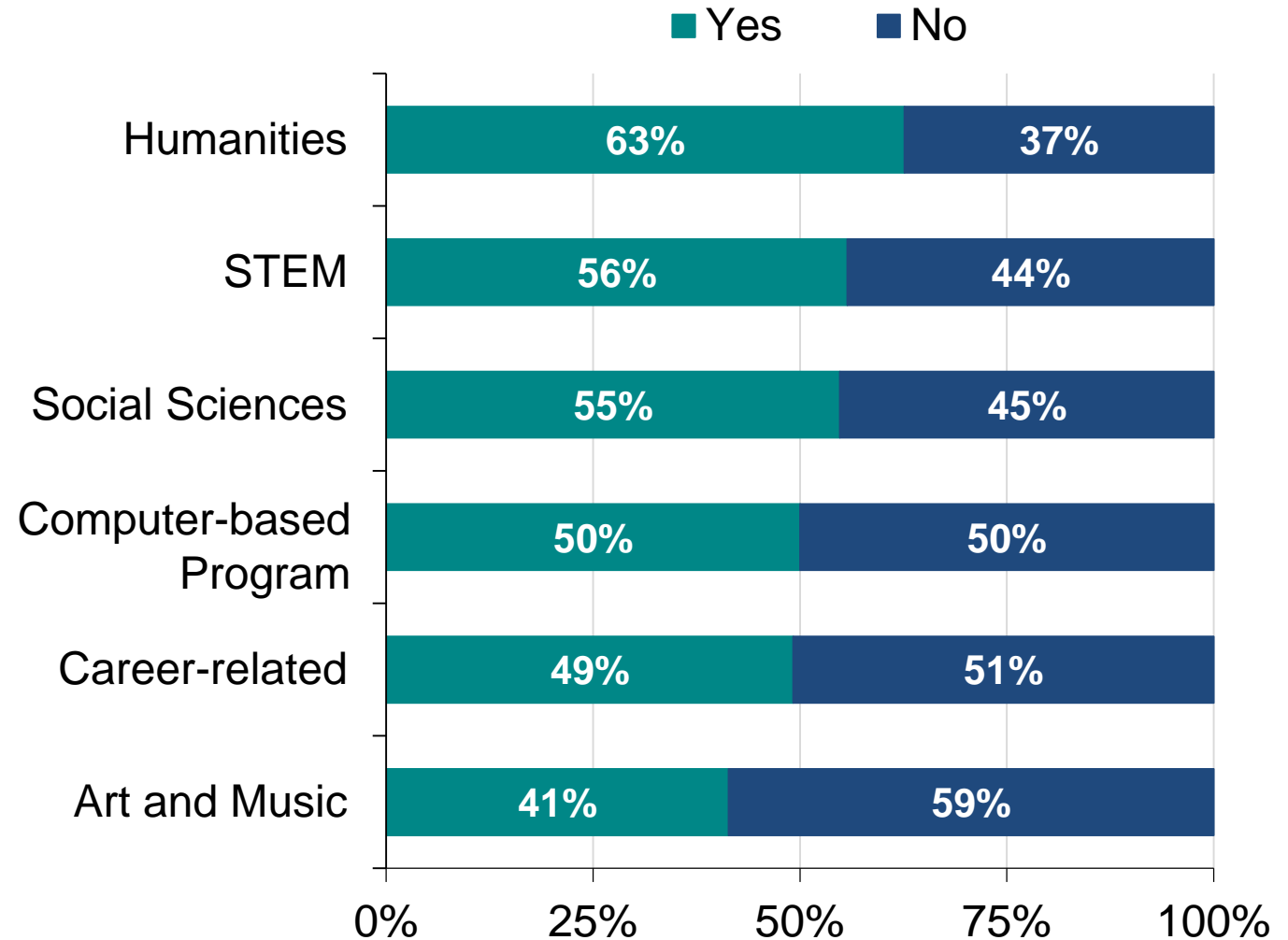
- At least 8,000 enrollments in Spring 2019 were in classes using OER.
- About 6,000 enrollments were in classes that qualified as Zero Textbook Cost (ZTC).
- About 5,400 enrollments were in classes that qualified as Low Course Cost (LCC).

	Enrollments OER	Enrollments ZTC	Enrollments LCC
City	1,105	816	808
Mesa	2,209	1,707	1,768
Miramar	1,090	939	641
SDCE	3,856	2,488	2,198
Total	8,260	5,950	5,415

It is possible and likely that enrollments are duplicated between categories.

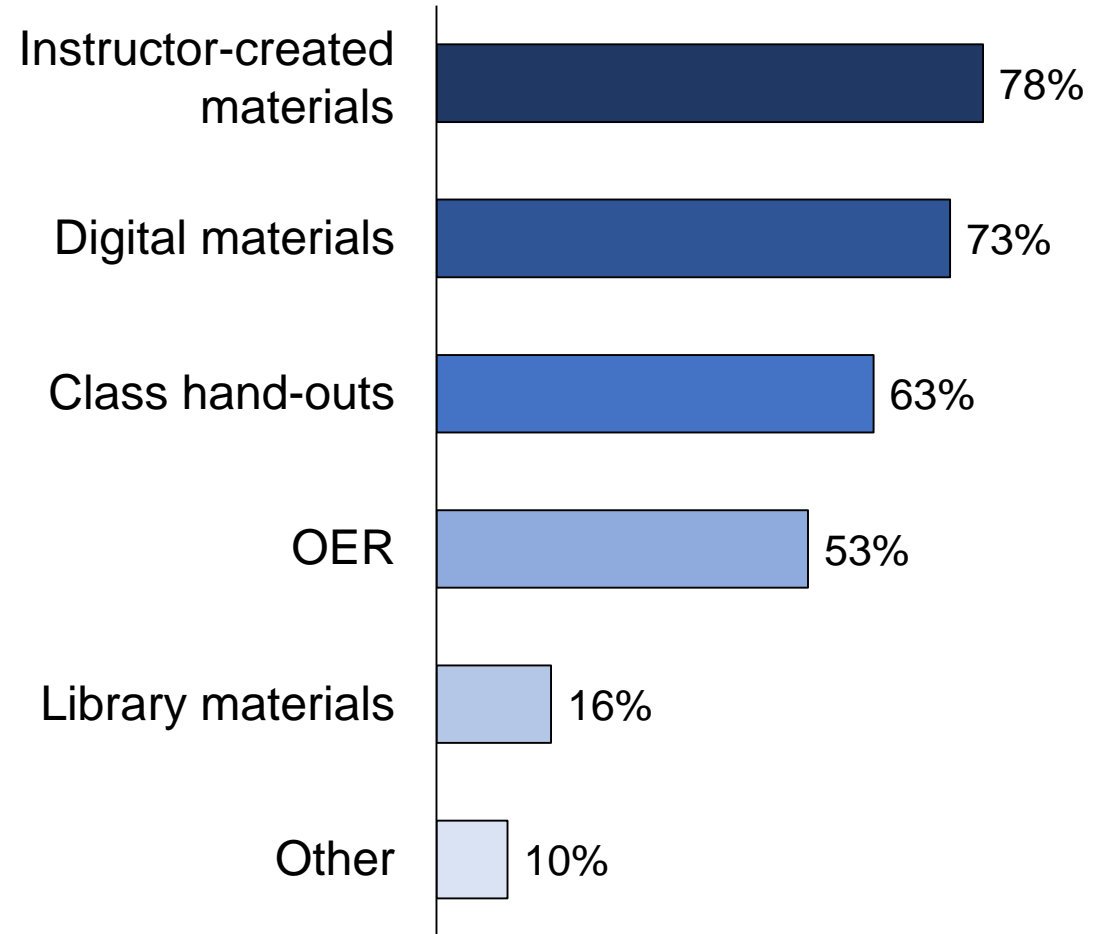
Implementation of OER, ZTC, and LCC by Discipline

- Use of Open Education Resources, Zero Textbook Cost, or Low Course Cost was highest in Humanities and STEM courses.
- Use was lower in Career-related programs (such as Dental Assisting or Nursing), and Art and Music.



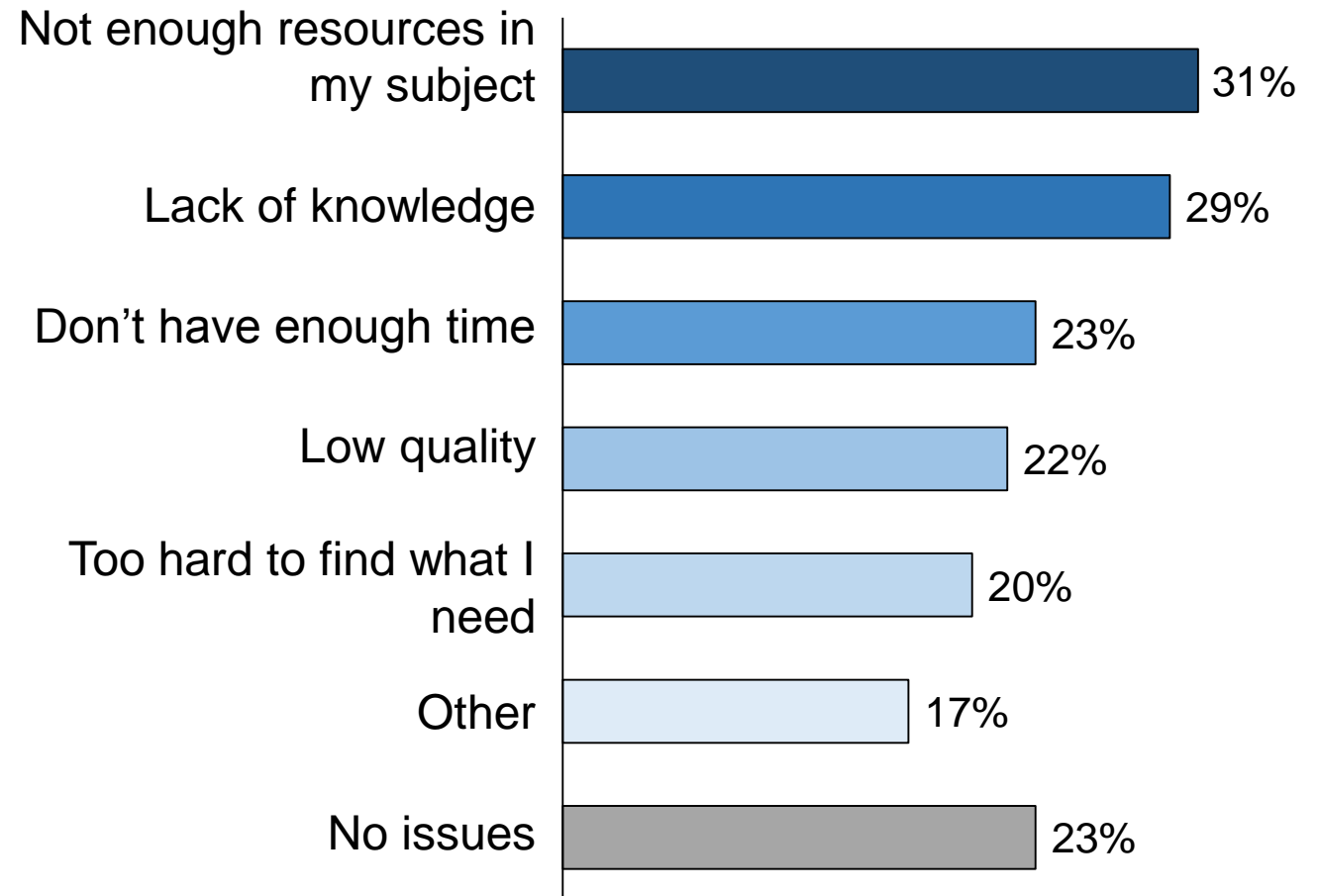
Types of Free Materials Used in the Classroom

- The most common types of OER were instructor-created materials and digital materials.
- Many faculty also indicated they recommend that students buy older editions and used textbooks which are lower in cost.
- Some faculty reported they maintain a lending library in their own classroom.



Challenges to OER Implementation

- The most common challenge reported in implementing OER was a **lack of resources in a given subject area**.
- The second-most common issue in implementing OER was a **lack of knowledge about OER**.
- Faculty indicated that **examples of OER use in their subject** would be the most helpful way for them to learn more.



Districtwide Efforts to Reduce Textbook Costs



Efforts to Reduce Textbook Costs in Fall 2019

- The SDCCD Bookstore created a questionnaire that was sent to faculty along with book orders to gather information on OER and no textbook resources
- Data collection methods have expanded to include No-cost Digital and Low-Cost textbooks

Additional Bookstore Efforts to Reduce Textbook Costs in Fall 2019

- Negotiated with publishers for lower textbook prices
- Negotiated with publishers for lower prices for book access codes
 - PHYS 125 (Mesa) - \$49; the previous cost was \$168 for a textbook plus access code
 - PHYS 195 (Mesa) - \$49; the previous cost was \$140
 - SPAN 101 (Mesa) - \$50; the previous cost was \$105 for a textbook plus access code

Faculty OER, No-Cost, and Low-Cost Textbook Usage

Fall 2019

College/ Continuing Education	Total Faculty	OER	%	No- Cost*	%	Low- Cost	%
City	504	16	3%	99	20%	114	23%
Mesa	716	31	4%	110	15%	86	12%
Miramar	462	39	8%	92	20%	30	7%
Continuing Education	350	33	9%	14	4%	95	27%
Total	2,032	119	6%	315	15%	325	16%

SOURCE: Bookstore Report September 2019

* No-Cost includes No Cost/Digital and No Textbook Required. No Textbook Required information is from the SDCCD Bookstore and is noted in the Online Class Schedule



Section OER, No-Cost, and Low-Cost Textbook Usage

Fall 2019

College/ Continuing Education	Total Sections	OER	%	No- Cost*	%	Low- Cost	%	OER/ Low-Cost/ No-Cost	%
City	1,400	27	2%	223	16%	141	10%	391	28%
Mesa	2,141	84	4%	322	15%	175	8%	581	27%
Miramar	1,182	79	7%	174	15%	48	4%	301	26%
Continuing Education	1,362	81	6%	51	4%	137	10%	269	20%
Total	6,085	271	5%	770	13%	501	8%	1,542	25%

SOURCE: Bookstore Report September 2019

* No-Cost includes No Cost/Digital and No Textbook Required. No Textbook Required information is from the SDCCD Bookstore and is noted in the Online Class Schedule



Progress in Open Educational Resources

OER Websites with Resources for Faculty

- City College (<https://library.sdcity.edu/oer>)
- Mesa College (<https://sdmesa.libguides.com/OER>)
- Miramar College (<http://sdmiramar.libguides.com/oer>)
- Continuing Education (<https://sites.google.com/workingbusiness.net/com/oer>)

Districtwide Resources on Developing OER Materials

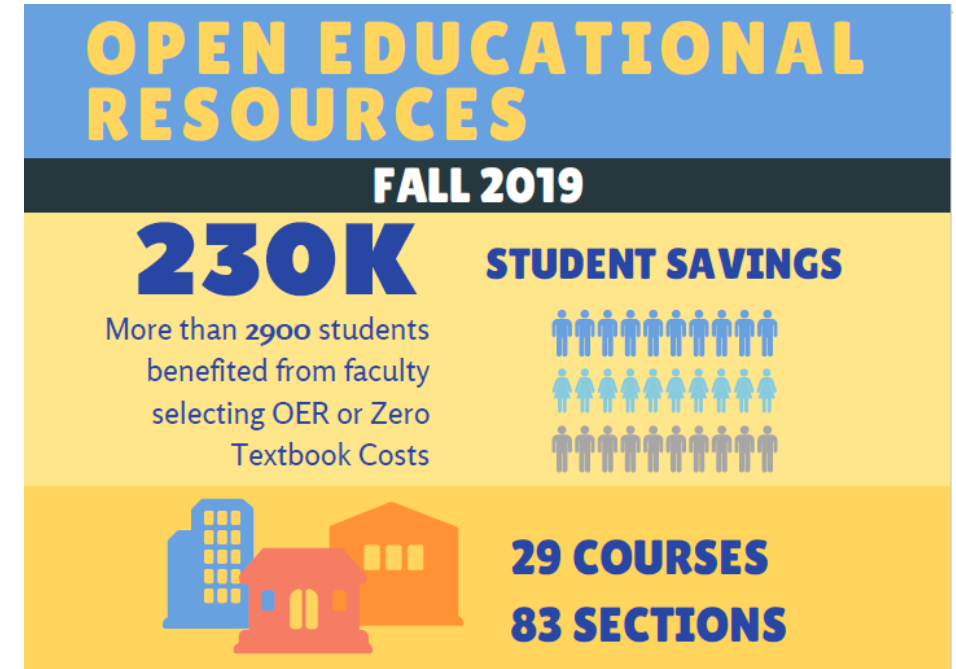
- City College partnership with Open Stax resulted in an increase in the number of students impacted by OER from approximately 750 to 1,500 (estimated cost savings over \$100,000)
- Miramar College Math 96X Canvas shell includes an OpenStax textbook
- Continuing Education offered 18 Small Business courses with Zero-Textbook-Cost (ZTC)
- A Districtwide OER repository was created in Canvas



Progress in Open Educational Resources continued

Professional Development

- City College offers online OER and CCCOER webinars and workshops to increase faculty awareness and use of OER resources
- Mesa College offered OER presentations, workshops, and a Faculty Panel on “What we learned by switching to OER”
- Mesa College’s Spring 2020 Catalyst conference will offer a workshop on OER
- Mesa College created an OER Academy and will include OER as part of the Adjunct Orientation and New Faculty Institute
- Miramar College engaged faculty from mathematics, business, anthropology, history, communications, and biology to serve as resources on OER
- Continuing Education hosted a faculty workshop titled “OER Escape Room”



San Diego Mesa College Fall 2019 OER Progress



Progress in Open Educational Resources continued

Mini Grant Projects

- City College generated buzz with faculty mini-grant projects to replace commercial textbooks, and eight mini-grant funded reviews that compared OER titles to current textbooks were completed and posted online in 2019
- Four Mesa College faculty applied for grants to develop OER
- With financial support from the President, Mesa College will implement Phase II of the OER plan, MOSAIC (Mesa's Open Shared Accessible Inclusive Courses), in which faculty will apply as teams to create courses with the support of departments
- Continuing Education received a \$500,000 grant to launch the ICOM Academy
- Continuing Education held the 11th Annual Bachman Jennings Emergency ESL Book Fundraiser to benefit ESL students in need of financial assistance to purchase textbooks



Summary



Summary of Progress

- By expanding the definition of textbook affordability and refining data collection methods, we know that 25% of sections are using low-cost, no-cost, and OER
- Each institution is engaged in lowering textbook costs for students in ways that include grants, professional development, targeted course development, and faculty resources
- Students in the Promise program saved money in textbook costs due to Promise grants
- The next step is to improve on the districtwide infrastructure to support the survey recommendations from faculty



Thank You