

MEMORANDUM

To: CRA Board

From: Matthew Heller-Trulli

Date: February 9, 2023

Re: Foundry Update

MEMO

After 2 rounds of interviews conducted by Tom Evans, Matt Heller-Trulli, Claudia Zarazua, Susan Mintz, and Jason Weeks, three candidates were selected to send to the City Manager on February 13, 2023 for appointment to the Foundry Advisory Committee (FAC). These candidates came from a pool of applications submitted as a result of the vacancies of three current FAC board members. The candidates selected were Connie Chin, Barbara Thomas, and Ruben Mancha whose experience and strengths can be found within Exhibit A attached. The first meeting of the FAC for these three new board members occurred on Friday, February 10, 2023. At the FAC meeting on Friday, the Foundry Consortium provided a report on community space usage through 2022 (Exhibit B).

The Foundry has a few outstanding construction items that are in the process of being completed by the City's contractor WT Rich. These include the installation of a door between the café kitchen and the Food Lab which was finished on February 10th, the installation of a new hand rail on Stair 1 between the first and second floor which was completed on February 9. Still outstanding is the completion of an application by the City to turn on the solar panels on the roof, and rewiring the solar meter. The Foundry Consortium and TSNE are working with the contractor and vendors on various warranty items including concealed door closing hardware on shop doors and the Pre-action Fire Control Panel. The CRA has entered into a design contract with Cambridge Seven to help look into other building modifications to improve the building operations, that go beyond the original construction contract.

EXHIBITS

Exhibit A: FAC Memo to Cambridge City Council

Exhibit B: Foundry Consortium report to the FAC September-December 2022

February 2, 2023

To the Honorable, the City Council,

Introduction

After over a decade of planning, design, and construction, the Foundry at 101 Rogers Street opened its doors to the public in 2022. In 2015, the City and the CRA adopted a Demonstration Project to execute a public-private partnership to create a sustainable operational model to steward the Foundry as a community asset. After an extensive community planning process, the CRA crafted a mission for the building focused on STEAM programming designed to as a multi-generational asset for the City.

***Mission:** The Foundry is an adaptive reuse project to build a self-sustaining center for creativity and collaboration for the Cambridge community. At the intersection of the Kendall Square Innovation District and the East Cambridge neighborhood, the Foundry building provides space and programs for the visual and performing arts, entrepreneurship, technology, and workforce education within its historic, industrial setting. The Foundry facilitates access for residents, especially underrepresented communities and adjacent neighborhoods, to the dynamic working and learning environment of Kendall Square.*

Designed by Cambridge Seven Associates, with W.T. Rich as the general contractor, the renovation of this City-owned building broke ground in 2020 with full occupancy beginning in September of this year. The \$46 million project transformed the historic landmark into a contemporary facility filled with performance spaces, maker spaces, studios, office spaces, and kitchen facilities designed to facilitate collaboration across creativity and innovation. The building operations are supported primarily through office space on the top two floors with the full ground floor dedicated to community use. The Foundry has already hosted dozens of dance classes, various performances, regular STEM education programs, mixed media art workshops, cooking classes, and community meetings of all sizes.

Project Background

The Foundry building is a brick and timber frame industrial building, built in 1890 as a factory to produce iron steam pump parts as part of the Knowles Pump Factory Complex. Early in its history, the building also played an important role in the women's labor movement as women workers in the building successfully fought to improve their working conditions. Since the end of its role in steam pump production, the Foundry building has served as a taxi barn, and an auto repair shop. In the early 1980's the building was modified into a three-story office building. The City acquired the property in 2012 as part of a community benefit commitment from Alexandria Real Estate. The Foundry building was landmarked by the City Council in 2019.

The Foundry is a Demonstration Project designed to model a unique form of public private partnership to redevelop a property and deliver a public asset that would not have been possible through private or public efforts alone. The City of Cambridge owns the building and led the renovation effort, while the CRA led the community planning process to define the project goals and conceptual design, and holds a master lease to operate the site.

The full renovation required extensive interior demolition and environmental remediation. A new steel structural system was laced into wood beam structure, creating three new floors within the brick

envelop. The ground floor entry opens up into a shared atrium area providing views of the historic structure. A three-story addition replaced a structurally compromised section of the old structure and now houses most of the modern mechanical functions of the building. The building meets the City's sustainability goals with a fully electric HVAC system and an extensive solar array on the roof. The completed renovation includes nearly 50,000 SF of commercial space, over half of which is community or shared space. The program within the community space includes:

- Multi-purpose rooms for community meetings and other programs 2,000 SF
- Maker spaces for wood, jewelry, fabric arts, and digital fabrication 3,700 SF
- Multi-use performance space 2,100 SF
- Dance/Fitness/Rehearsal Room 1,000 SF
- Artist Studios 2,100 SF
- Demonstration Kitchen 340 SF
- Café and catering kitchen 490 SF
- Community Hall & Gallery 6,000 SF
- Art Nook featuring Elisa Hamilton's *Jukebox* 175 SF

The CRA selected the Foundry Consortium, assembled by Lemelson-MIT and Lesley University, as the building operator through an RFP process. The CRA supported the creation of the Foundry Consortium as an independent 501c3 to curate the arts and education community spaces on the ground floor and to manage the entire building including the office spaces upstairs. The Consortium has hired TSNE, a property management organization to lead the building maintenance responsibilities. The formation of a nonprofit operator allows the CRA to steward the facility and its operating mission while delegating day-to-day management and programmatic decisions for the community space – allowing the creators, innovators, and educators within the community spaces to do their work independently. The CRA also facilitates the Foundry Advisory Committee to help oversee the execution of the community's vision for the building and guide its programmatic evolution in the years to come.

Commercial Tenants

The operating model provides financial support for the management of the building and promotion of community programs primarily through revenues generated by commercial office tenants on the upper floors. The operating budget for the first fiscal year is just over \$1.2 million. The office tenants, including one 'below market' office space, also utilize and collaborate with the community spaces below. Three office tenants moved in over the summer, and one office suite remains vacant at this time.

Breakthrough Greater Boston – Office Suite 2A

Breakthrough Greater Boston's mission is to inspire excitement for learning, create paths to and through college and promote careers in education. The organization prepares low-income students for college and for life while also training the next generation of teachers through their Students Teaching Students model. Founded by MacArthur Genius Award winner Angela Duckworth in 1992 in Cambridge, Breakthrough Greater Boston now operates in Cambridge, Boston, and Somerville serving over 750 students while training 150 teaching fellows. Breakthrough Greater Boston space is rented at below market rate encapsulating the mission of the Foundry.

Deep Genomics – Office Suite 2B

Founded by Brendan Frey in 2015, Deep Genomics is a biotechnology company that builds proprietary artificial intelligence (AI) and uses it to discover new ways to correct the effects of genetic mutations and develop personalized therapies for individuals with rare Mendelian and complex disease.

Break Through Cancer – Office Suite 3B

Founded in February 2021, Break Through Cancer's initial focus is on four intractable cancers. These cancers all share common features – a low five-year survival rates, little to no early detection, and a lack of recent progress or innovation in treatment. These cancers include Glioblastoma, Ovarian cancer, Pancreatic cancer and Acute Myelogenous Leukemia (AML).

Café Tenant

Vester – Originally opened on Ames Street in 2018, Vester opened it's second location in South Boston in late 2022 and now its third location on the first floor of the Foundry in January 2023. Vester serves coffee, pastries, and lunch for both tenants and the public out of the café space just inside the main entry of the Foundry. Started by Boston native Nicole Liu, Vester is female and minority owned and operated.

Performance and Usage Data

The Foundry Consortium initiated some 'soft launch' programs in the building in September, before organizing a Grand Opening on October 8th. Since those events, the Consortium has focused on booking public and private activities within the building across the broad spectrum of community activities that the building was designed for. The Consortium has created a website that describes the various spaces available and an online portal for inquiring about reservations. The Consortium offers a sliding scale for room reservations as well as membership opportunities to facilitate access to the maker studio areas. Additionally, the office tenants in the Foundry have also utilized the ground floor spaces on occasion. The Consortium must balance the goal to maximize community access to the space and hosting high quality programs with the need to bring in some income from the ground floor uses. Below are a series of data points from the inaugural three months of operation last year:

Reservations

- The Foundry received over 100 reservations in the last quarter of 2022. The majority of these were for weekly programs, (up to 10 programming slots)
- 64 out of 104 program requests required sliding scale pricing
- Only 10% of reservation requests have come from commercial/corporate entities

Use Hours

- The Foundry continues to expand its hours until it reaches predicted capacity of 700 use hours per month
 - The STEAM set (theatre) and Shop 6 (dance studio) have had the most use so far with the community hall the least utilized
-

Revenue

- Since the grand opening, program reservations have more than doubled each month, from \$621 in October to \$6,777 in November, to \$15,983 in December
- Revenue is projected to level off in March at \$33,000 per month

Community Engagement

- The Foundry has hosted over 60 community organizations catering to different age groups and cultural backgrounds
- Over 5,000 people have engaged with the Foundry since opening in October
- Numerous public events have taken place since opening, most recently for Lunar New Year

It is anticipated that reservations for space will pick-up to the designed capacities over the course of 2023. It is also expected that the Foundry will constantly evolve to meet the needs of program providers and community interests in Foundry activities, and thus the design, layout and operations of the workshop spaces will adapt to meet those demands. As a Demonstration Project it was expected that the operating model would provide lessons to the City, the CRA, and other jurisdictions to inform related projects in the future.

Best regards,



Thomas L. Evans
Executive Director

Yi-An,

I'm pleased to share we have concluded the recruitment process for the Foundry Advisory Committee (FAC) and, pending your confirmation, a panel has recommended the following candidates:

1. **Connie Chin**, CEO of Global Arts Live, based in Central Square, and 585 Arts, the new performing arts center scheduled to open in Kendall Square in 2026. Connie Chin is a former contemporary dancer performing among many renowned dancers across international stages. Connie brings years of experience managing arts organizations and understands the current landscape of mission-driven fundraising in the art sector. As a FAC member, she brings expertise in youth engagement in the performance arts, an understanding of communications strategies to create an inclusive environment, and a connection to industries in Kendall Square.
2. **Barbara Thomas**, owner of Artifact Soapworks, LLC, chemist, and soap-making instructor. Barbara Thomas has served the community in various advisory roles such as Cambridge Commissioner on the Status of Women, Cambridge-Somerville Black Business Network member, and Cambridge Open Studios Advisory Member. Barbara has shared her artwork in various Cambridge Open Studios events as well as Cambridge Arts' Holiday Markets. As a FAC member, she brings expertise in facility and equipment needs for community workshops, how to create a space that allows for exploration at the intersection of science, innovation, and art, and an understanding of the efforts needed to sustain the Foundry as a place of belonging for all.
3. **Rubén Mancha**, assistant professor at Babson College, digital technology researcher, and student mentor. Ruben Mancha has focused on the digital transformations of organizations acknowledging the growing skill gap in the digital economy and the needs of the regional business ecosystem. He has created collaborative environments, designing interdisciplinary educational programs and mentoring startups. As a FAC member, he brings experience in operating inclusive spaces that offer impactful educational programs that integrate technology, art, and science to help with workforce development for the future of local industries.

The process that led to these recommendations started with a notice seeking applicants for the Foundry Advisory Committee, published on November 9, 2022, in the City's Boards and Commissions portal and shared through the City's Daily Update email. Additional outreach efforts were made by Cambridge Arts through their newsletter and social media channels, and the Cambridge Redevelopment Authority through their various outreach channels.

A total of 31 applications were received for three vacancies. Applications were shared with the City's Director of Equity and Inclusion. A panel comprised of representatives from Cambridge Arts, Cambridge Redevelopment Authority, and DHSP-Workforce Development reviewed applications and conducted interviews. The panelists interviewed six candidates during the second half of January 2023, and made the recommendations above.

I have attached their resume for reference. Please let me know if you have any questions.

The FAC will continue to oversee the mission of the Foundry as it was developed by the community



Foundry Consortium

Foundry Advisory Committee
September - December 2022

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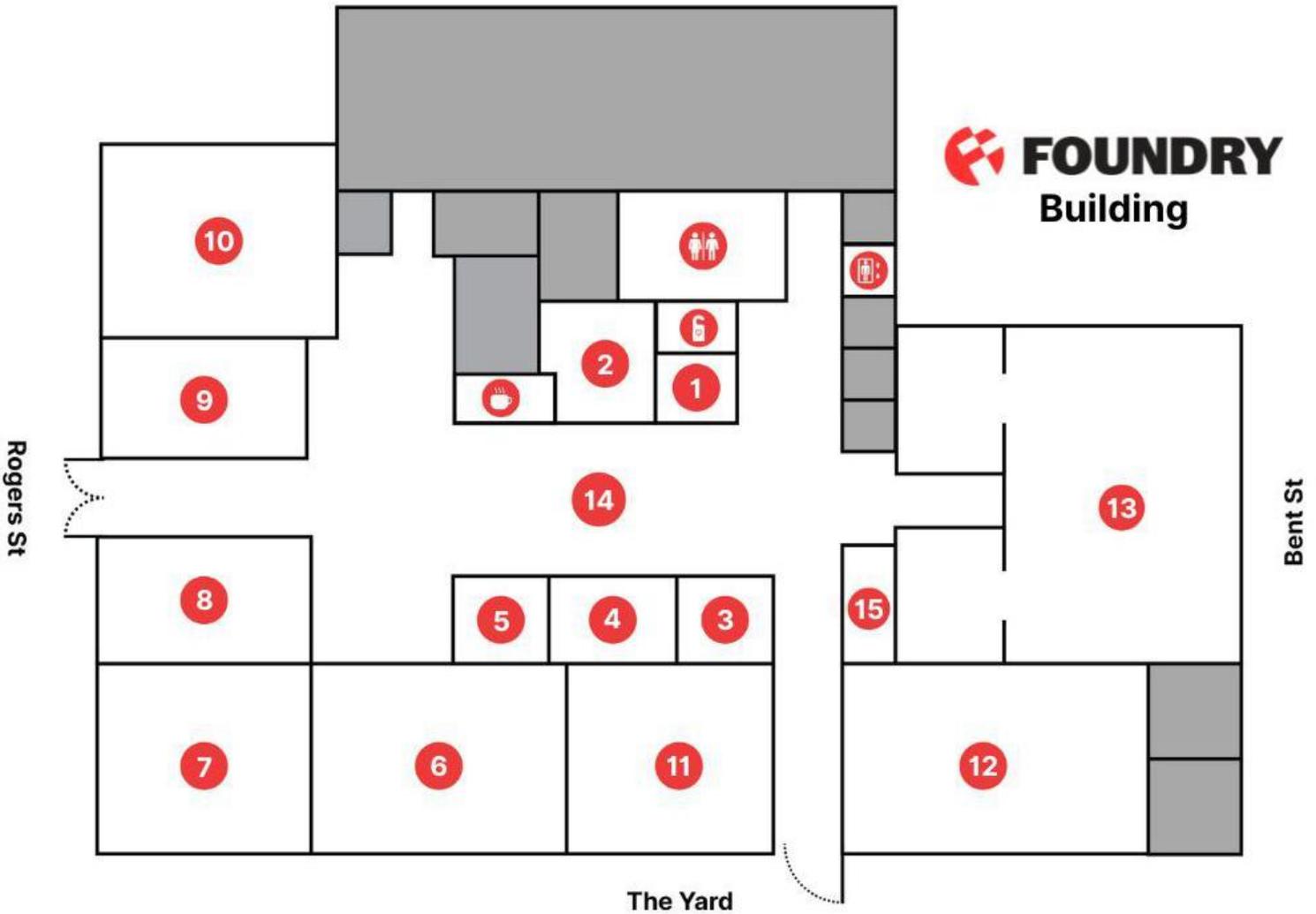
Foundry Map

- 1 Welcome Desk
- 2 Shop 2: Food Lab
- 3 Shop 3: White Multi
- 4 Shop 4: Yellow Multi
- 5 Shop 5: Black Multi

- 6 Shop 6: Red Multi
- 7 Shop 7: STEAM Workshop
- 8 Shop 8: Fiber Arts Workshop
- 9 Shop 9: Metal Arts Workshop
- 10 Shop 10: Wood Workshop

- 11 Shop 11: Dance Studio
- 12 Shop 12: Art Studio
- 13 STEAM Set | Performance Space
- 14 Community Hall
- 15 Jukebox Nook

-  Restrooms
-  Elevator
-  Privacy/Quiet Room
-  VESTER Cafe





Overview

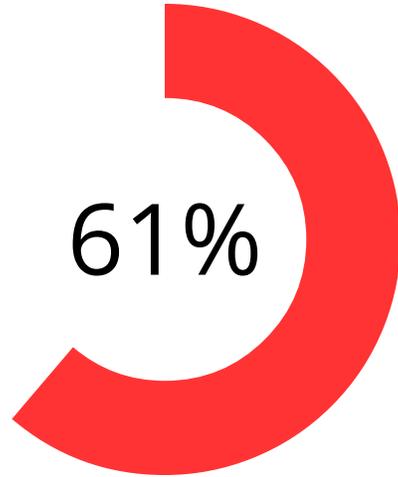
This report is the first of many to come from the Foundry Consortium to the Foundry Advisory Committee. It covers the period of September – December 2022. As we refine our systems, we will be able to present more detailed data, including zip code breakdowns!



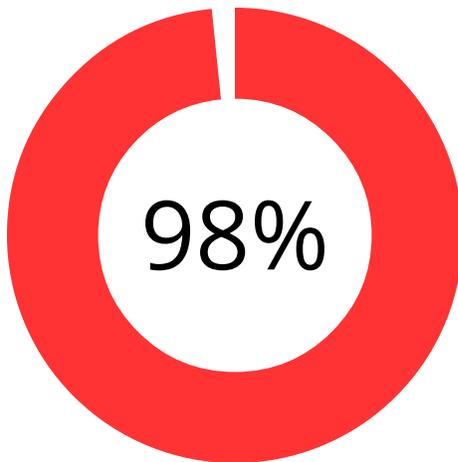
Reservations

We received over 100 reservation requests in the last quarter of the year. A majority of these requests were for weekly programs, meaning each request can represent up to 10 programming slots.

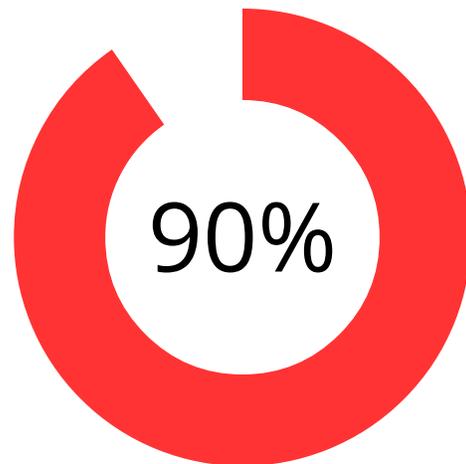
Reservations



64 out of 104 program requests required sliding scale pricing.



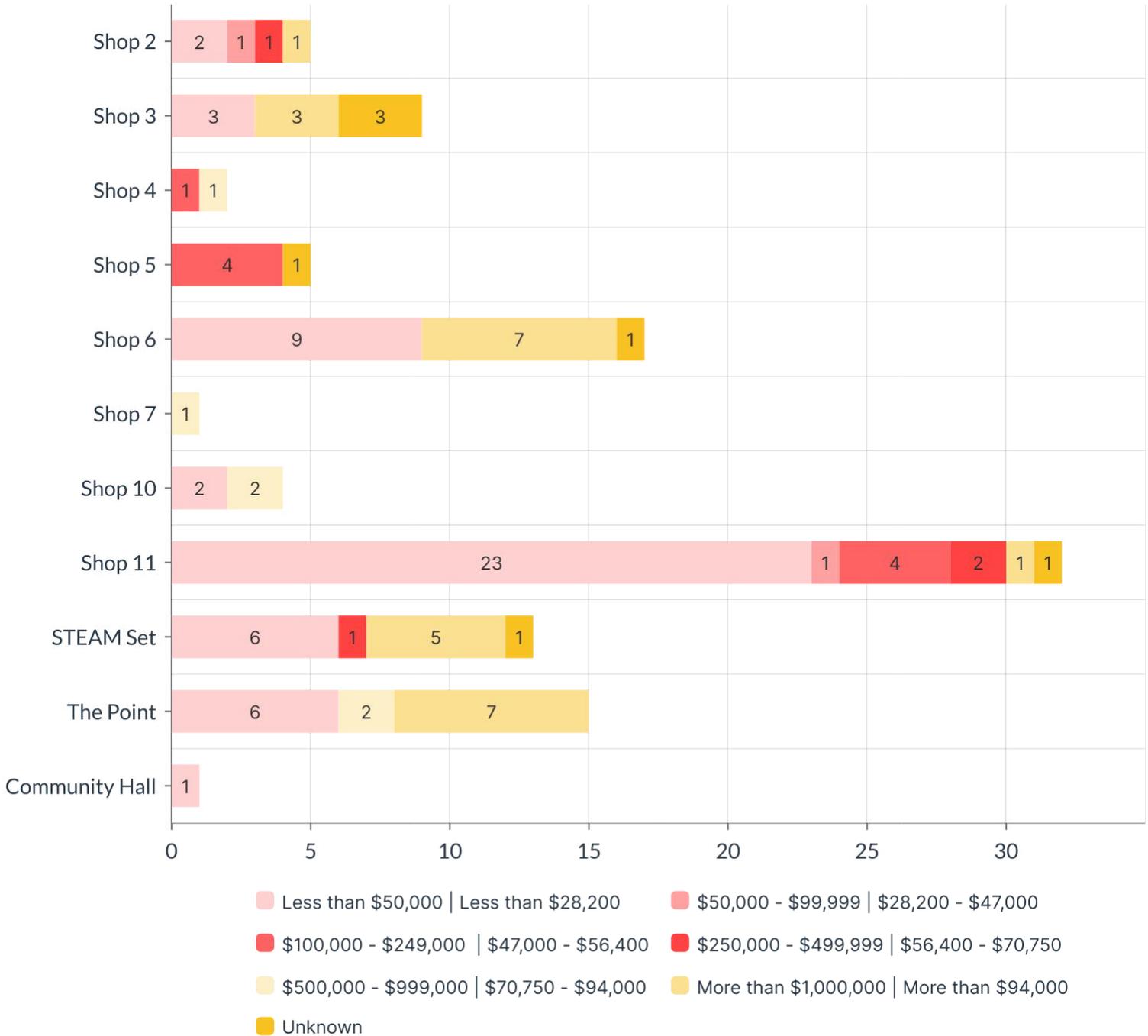
Almost all reservation requests were accepted. Denied requests were due to timing (late night requests) or size (over our occupancy limits).



So far, only 10% of our reservation requests have been from commercial/corporate requests.

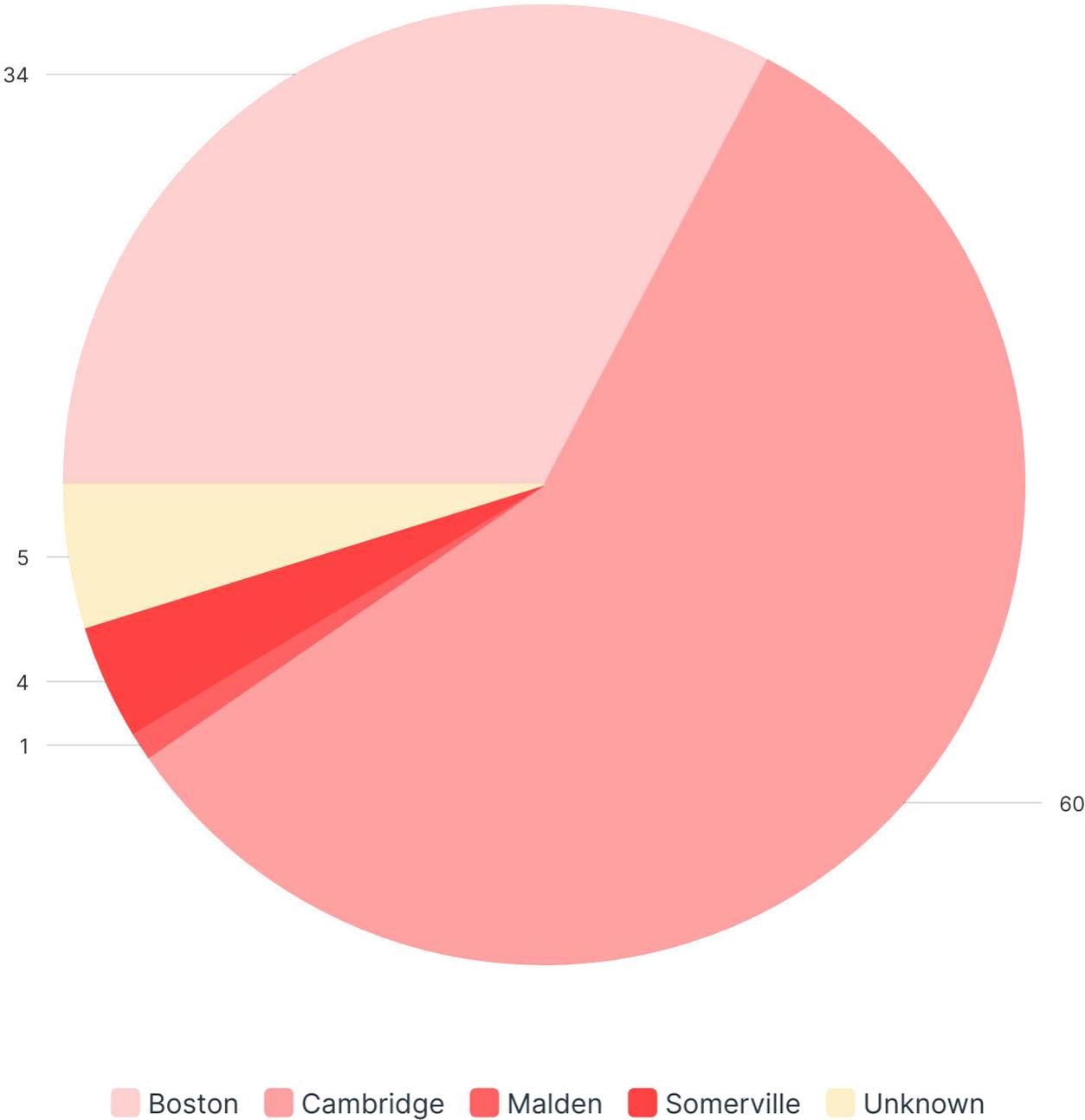
Reservations by Budget Size

The overwhelming number of our reservation requests come from organizations and individuals with the smallest budget size.



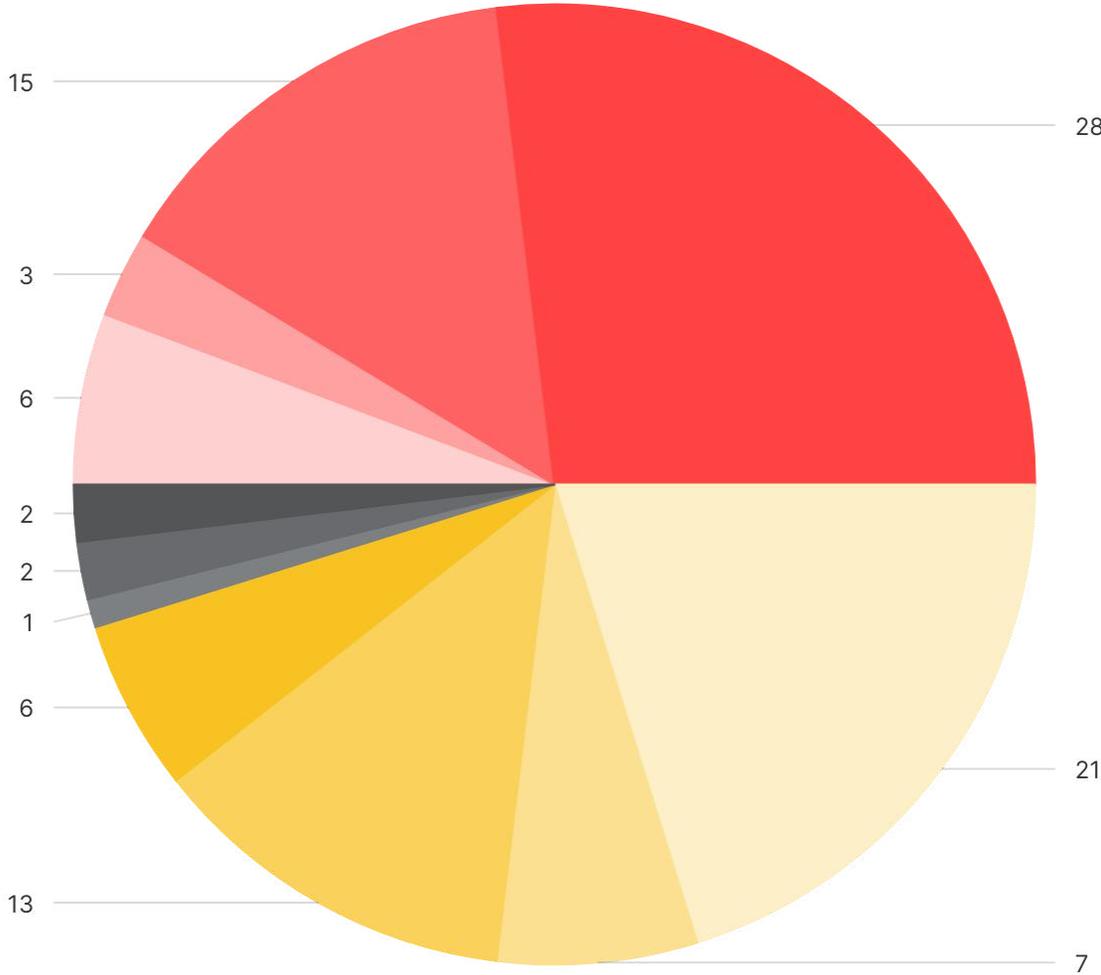
Reservations by City

Almost 60% of our reservations are coming from Cambridge based community organizations and artists.



Reservations by Program Type

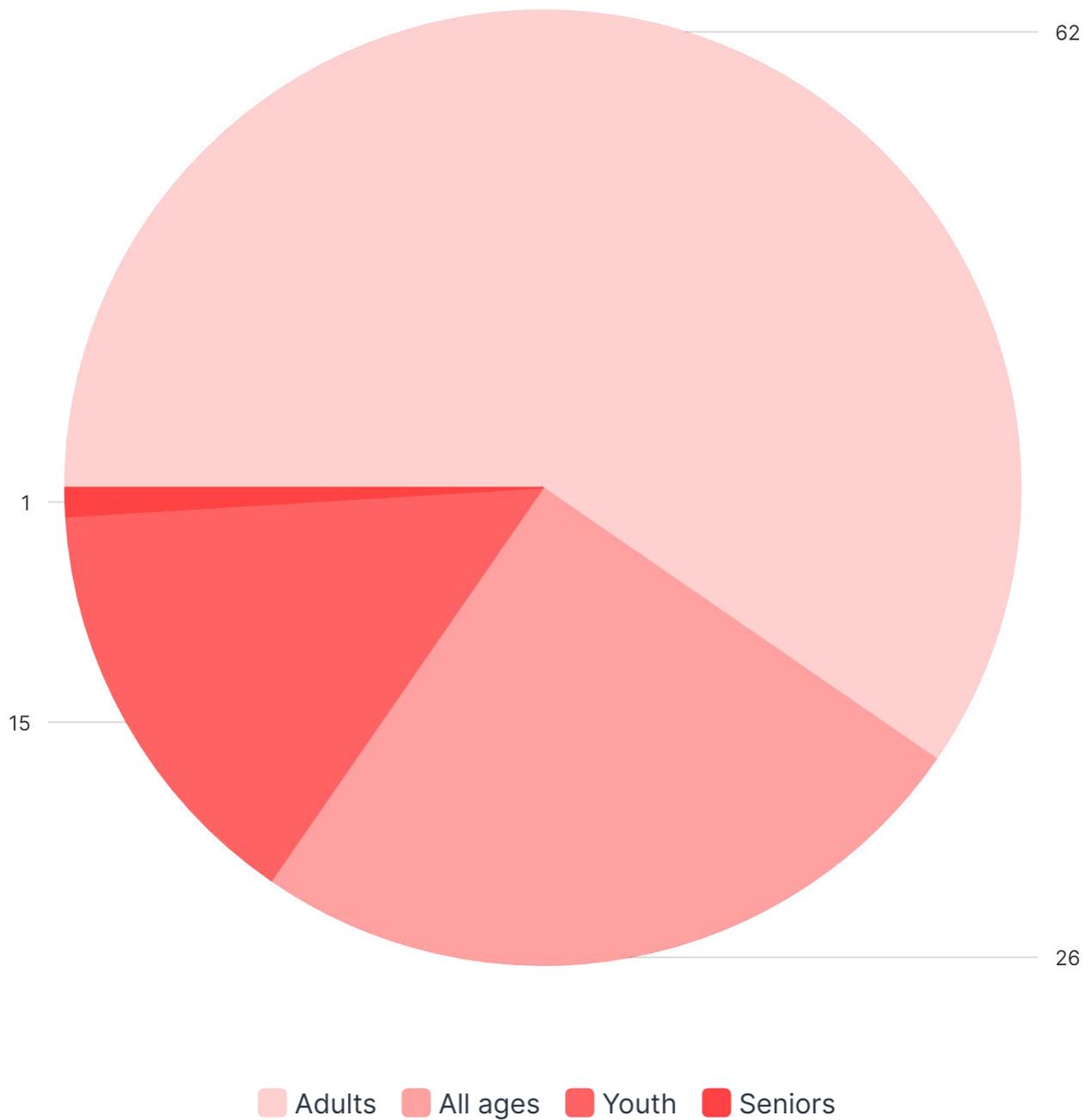
Our most common program type is movement (public dance classes, yoga, etc.) followed by performing arts (professional dance, theater, and music).



- Cooking
- Movement
- Public Dialogue
- Workforce Development
- Literature
- Performing Arts
- STEM
- Social
- Meeting
- Private Event
- Studio Art

Reservations by Audience Age Focus

Our most common audience age focus is all-ages programming followed by adults. We are working with local organizations to offer more Senior focused programming.





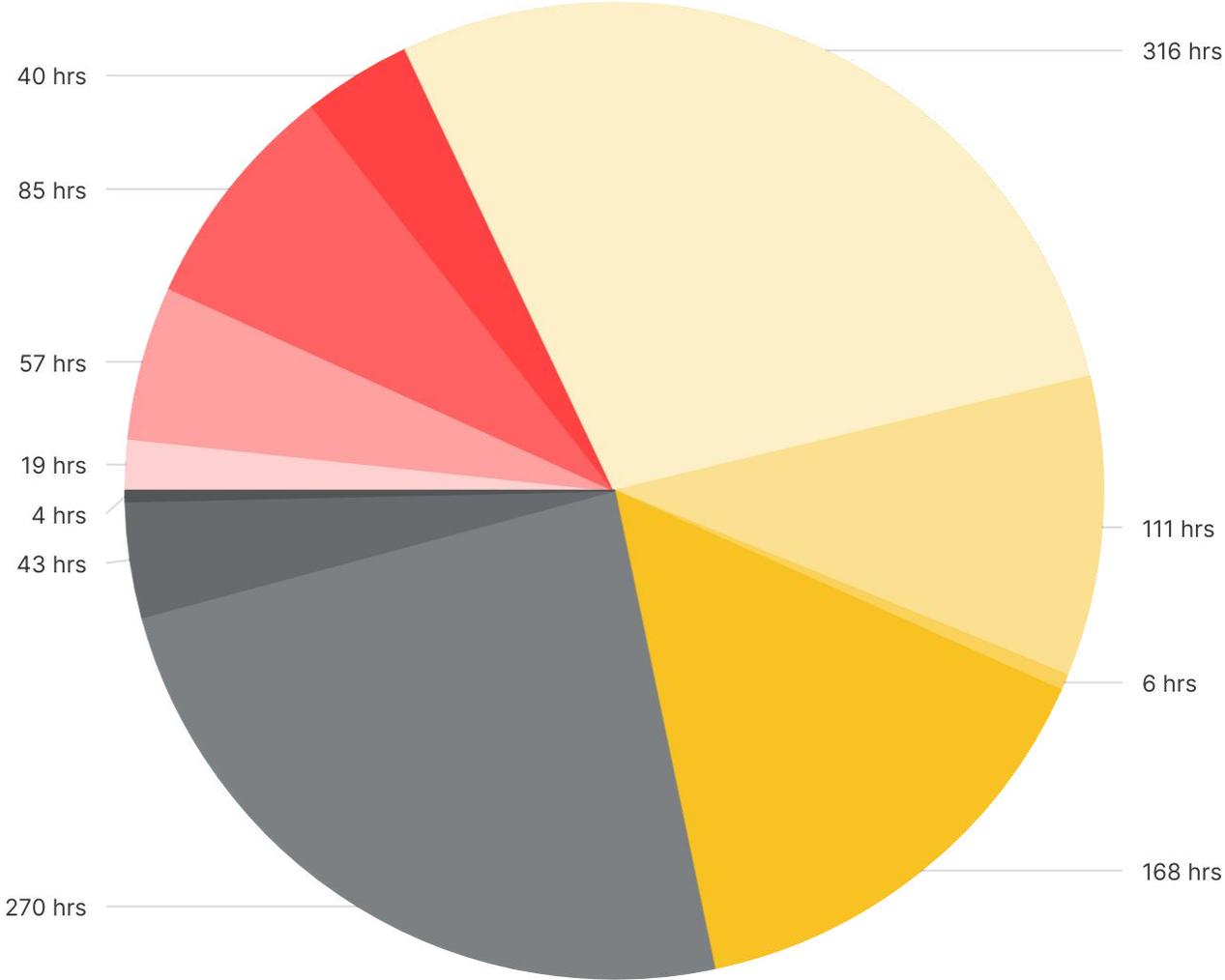
Use Hours

As the community becomes more aware of The Foundry, our use hours continue to grow! We are on track to continue to increase our use hours in the coming months.

As you review the following data, please keep in mind that we closed between December 22 and January 2 for our winter break, which we do not plan to repeat in 2023.

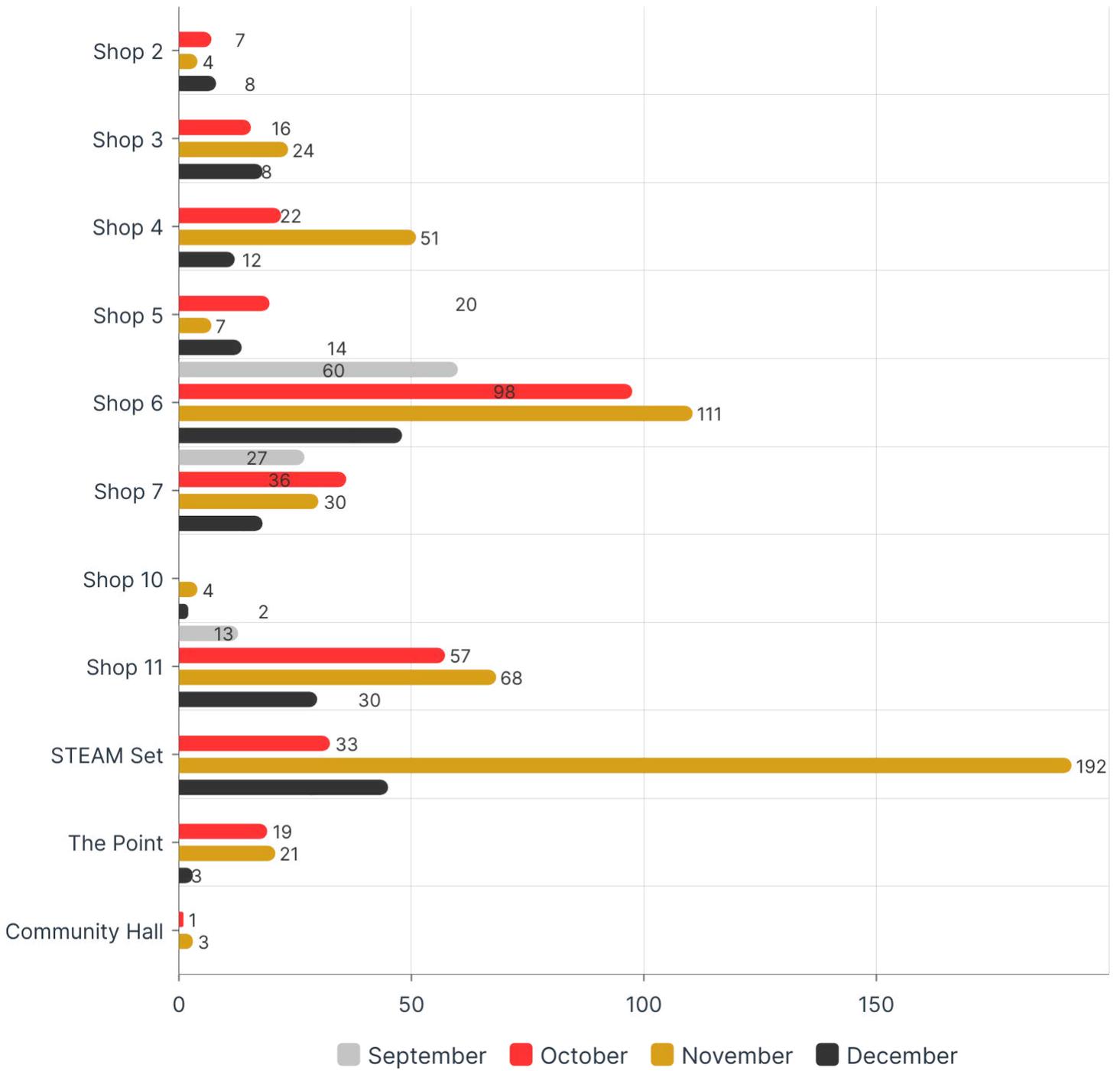
Use hours by Shop

Due to the performances in December, the STEAM Set was the most popular Shop.



- Shop 2
- Shop 3
- Shop 4
- Shop 5
- Shop 6
- Shop 7
- Shop 10
- Shop 11
- STEAM Set
- The Point
- Community Hall

Use Hours by Month



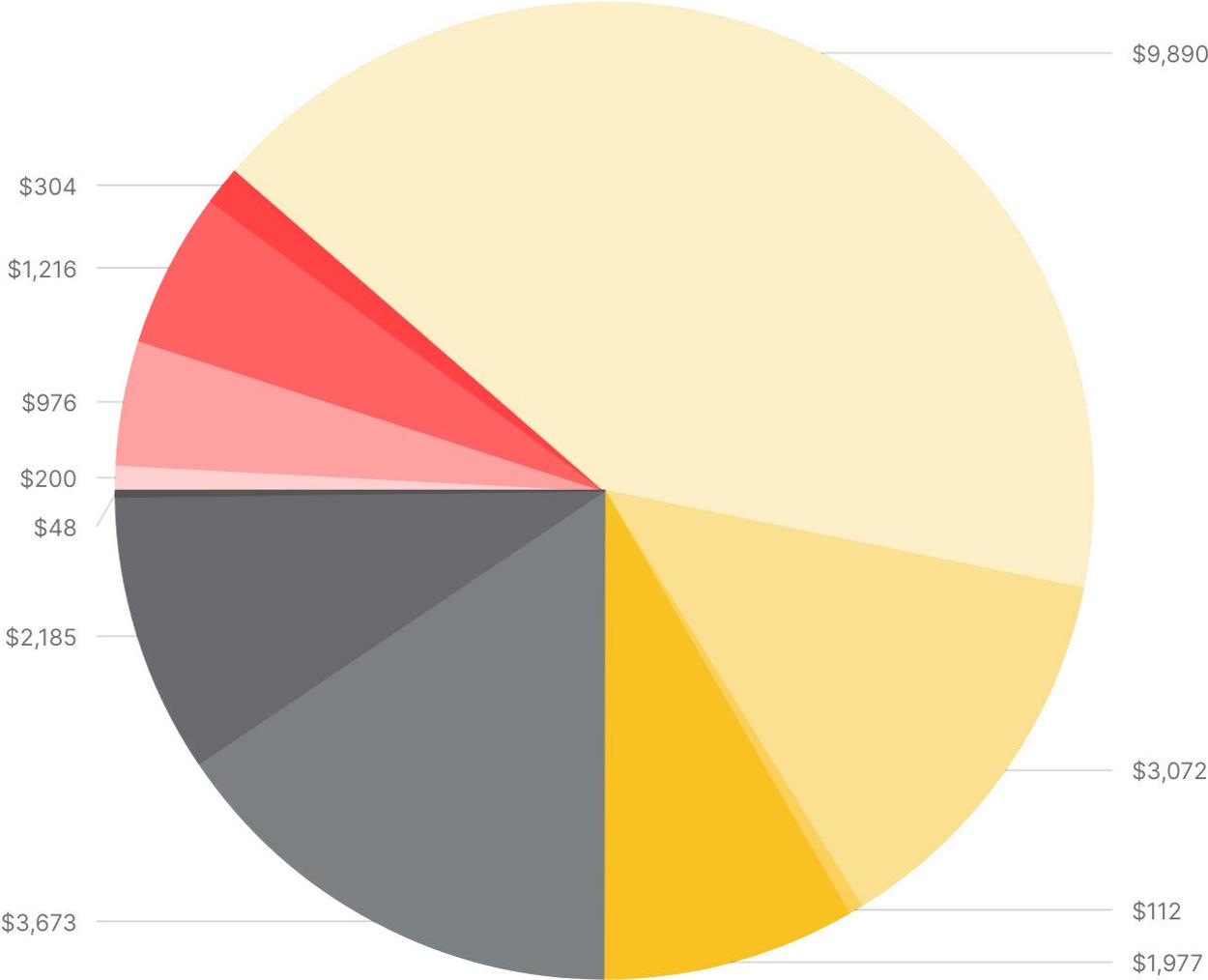


Revenue

So far, 94% of our reservation revenue has come from community reservations and 6% has come from commercial reservations. In the last three months since the grand opening, program reservation revenue has more than doubled each month, from \$621 in October, to \$6,777 in November, to \$15,983 in December.

Revenue by Shop

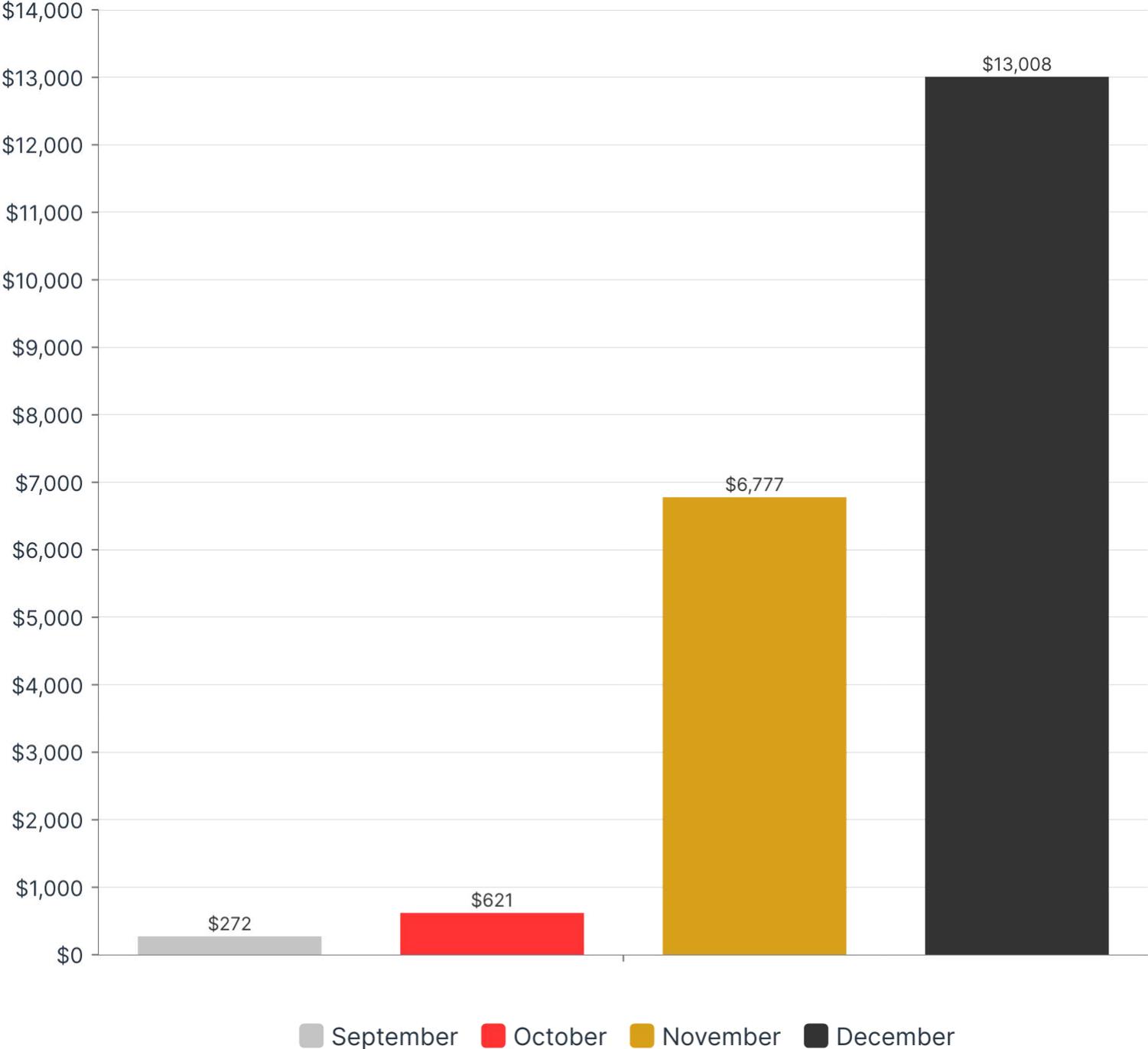
In comparison to our use hours, it is clear that although the Dance Studio is seeing a lot of use, many of its users need access at a sliding scale, making it our most uneven revenue generating Shop.



- Shop 2
- Shop 3
- Shop 4
- Shop 5
- Shop 6
- Shop 7
- Shop 10
- Shop 11
- STEAM Set
- The Point
- Community Hall

Revenue by Month

We are seeing a steady increase of revenue month over month!





Community Outreach

Community engagement will always be the most important work we do. In our efforts to create a culture of welcoming and inclusion we have been able to work with over 60 community organizations all catering to different age groups and cultural backgrounds.

We have seen over 5,000 people engage with The Foundry since we opened in October. The feedback we've received thus far is largely positive. Constructive feedback has been equally as helpful and allowed us to make changes to how we were operating in real time.



The Click's REFRACT/REFRAME



Queer Theater Project's Qaberet



Zumba with Darren



Community Potluck



Dumpling Making at Lunar New Year



Hip Hop Dance Class



Lion Dance at Lunar New Year

FROM STEAM TO STEEL
2800 \$1.25

People feel inspired in the space!
When folks take a tour to learn
more about The Foundry, they
come up with ideas that are only
possible in this space!



We're working with 44 volunteers
on an at least monthly basis!



Many of the young people who
come for programming stay well
past the end of their programs and
even come by to hang out on their
days off.



Our Maker Space Members and
Art Studio Artists are helping each
other learn new skills weekly!



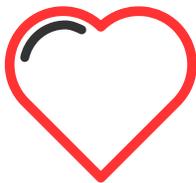
Survey Feedback



"I appreciated that we were considered a community organization based on our grant funding structure and lack of VC investment."



"A little more clarity on access to furniture and setup would have helped."



"I have been plugging and sharing the Foundry resource with everyone I know! It's a wonderful space with a great team and I can't wait to see the community grow."

Lessons Learned

Operating The Foundry is a complicated and multifaceted task. Ultimately, we are big believers in "people will remember how you make them feel" and we appreciate the feedback we've received to help make this space community focused.

1

Reservations are complicated! We will continue to simplify the process while balancing reporting needs.

2

Making personal introductions and going out into the community to bring people in creates the strongest bonds

3

The success of the Foundry will depend on our ability to adapt to various community needs