

# PBIC Livable Communities Webinar Series

## **Bike Sharing in the United States: State of the Practice and Guide to Implementation**



**RJ Eldridge and Mauricio Hernandez,**  
Transportation planners, Toole Design Group  
**Josh Moskowitz,** Manager, Capital Bike Share  
**Julia Diana,** Manager, San Antonio Bikes

**April 26, 2012, 3 p.m.**



Pedestrian and Bicycle Information Center



# Today's Presentation

- ⇒ **Introduction and housekeeping**
- ⇒ **Audio issues?** Dial into the phone line instead of using “mic & speakers”
- ⇒ **PBIC Trainings and Webinars**  
<http://www.walkinginfo.org>
- ⇒ **Registration and Archives at**  
<http://walkinginfo.org/webinars>
- ⇒ **Questions at the end**





U.S. Department  
of Transportation

Federal Highway  
Administration



State of the Practice and Guide to Implementation

# Getting Started with Bike Share

RJ Eldridge and Mauricio Hernandez  
Toole Design Group, LLC

April 26, 2012

# Focus of study



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- **Document current practices**
  - Planning
  - Business models
  - Funding sources
  - System design and technology
  - Performance measures
- **Provide implementation guidance**
  - Program goals
  - Feasibility studies
  - Infrastructure options
  - Policy considerations
  - Promotion and marketing
- **Support program success**



Source: Capital Bikeshare



# Study participants



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## EXISTING PROGRAMS

- Boulder B-cycle (May 2011)
- Capital Bikeshare (DC Area | Sep. 2010)
- Deco Bike (Miami Beach | March 2011)
- Denver B-cycle (April 2010)
- Hubway (Boston | July 2011)
- Nice Ride (Minneapolis | June 2010)
- San Antonio B-cycle (March 2011)
- Spartanburg B-cycle (July 2011)
- ZotWheels \*(UC Irvine | Oct. 2009)



Source: Boulder B-cycle, Capital Bikeshare, Deco Bike

## UPCOMING PROGRAMS

- Chicago (summer 2012)
- Baltimore (fall 2012)
- Atlanta (feasibility study- summer 2012)

# What is bike sharing?



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- Automated self-service bicycle rentals
- Priced to encourage short trips
- One style of bicycle
- One-way use/return bicycle at any station
- Long-term and casual members

Source: Nice Ride

# Program profiles

## Large systems (800-1,200 bikes)



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	Capital Bikeshare	Nice Ride	Deco Bike
Start date	September 20, 2010	June 10, 2010	March 15, 2011
Number of bikes	1200	1200	800
Number of Stations	150	116	91
Docks per station (Range)	11 to 39	11 to 39	13 to 19
Solar vs. wired	Solar	Solar	Solar
Service Area (Sq Mi)	35.95	33.30	6.30
Average Station Density (# station per Sq. Mile)	3.92	3.48	14.13
# of Members (Annual/Casual)	19,200 Annual 105,644 casual	3,521 annual 37,103 casual	2,500 annual No casual data reported
Year round or seasonal	Year-Round	Seasonal (Closed Nov-Mar)	Year-round
# of Trips per year	1,171,562 trips in 365 days	217,530 trips in 212 days	540,000 trips in 274 days
Business Model	Jurisdiction owned and managed	Non-Profit	For-Profit

Source: Interviews with Advisory group (Nov.2011- Jan. 2012)

# Program profiles

## Medium systems (200-600 bikes)



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	Hubway	Denver B-Cycle	San Antonio B-Cycle
Start date	July 28, 2011	April 22, 2010	March 1, 2011
Number of bikes	600	520	200
Number of Stations	60	52	20
Docks per station (Range)	13 to 19	9 to 19	7 to 23
Solar vs. wired	Solar	Solar and Wired	Solar and Wired
Service Area (Sq Mi)	11.79	12.571	4.77
Average Station Density (# station per Sq. Mile)	4.83	4.1365	4.19
# of Members (Annual/Casual)	3,600 Annual 30,000 Casual	2,659 Annual 40,600 Casual	1,000 Annual 2,800 casual
Year round or seasonal	Seasonal (Closed Dec-Mar)	Seasonal (Closed Dec-Mar)	Year-round
# of Trips per year	60,000 trips in 120 days	202,731 trips in 271 days	23,272 trips in 180 days
Business Model	Jurisdiction owned and managed *	Non-Profit	Non-Profit

Source: Interviews with Advisory group (Nov.2011- Jan. 2012)



# Program Profiles

## Small systems (under 150 bikes)



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	Boulder B-Cycle	Spartanburg B-Cycle	ZotWheels*
Start date	May 20, 2011	July 7, 2011	October 1, 2009
Number of bikes	110	14	28
Number of Stations	15	2	4
Docks per station (Range)	11 to 15	9 and 11	8 to 12
Solar vs. wired	Solar and Wired	Solar and Wired	Wired
Service Area (Sq Mi)	4.69	1.42	1.29
Average Station Density (# station per Sq. Mile)	3.20	1.41	3.11
# of Members (Annual/Casual)	1,171 Annual 6,200 Daily	100 Annual 450 Casual	100 Annual No casual data reported
Year round or seasonal	Seasonal (Closed Dec- Mar)	Year-round	Year-round
# of Trips per year	18,500 trips in 270 days	1500 trips in 150 days	2200 rides in 252 days
Business Model	Non-Profit	Non-Profit	Non-Profit/School owned

\* ZotWheels was included to provide insights into university owned and managed programs. While this analysis does share lessons learned from the program, the findings of the report concentrate on urban bike sharing programs

# Why bike sharing?



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Source: Boulder B-cycle

- Increased mobility options
- Spontaneous bicycle trips
- Complement transit and other modes
- Environmental, social, economic and health benefits
- Reduced traffic congestion

# Program components



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NOTE: This thematic chart illustrates the four structural components of a bike share program identified through this study

# Cost elements



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- Program planning:
  - Feasibility study
  - Procurement
- Program startup:
  - Equipment
  - Permitting and installation
  - Marketing and outreach
- Sustaining the program:
  - Maintenance and operations
  - Customer service
  - Advertising and marketing\*
  - Vendor/contractor payments
  - System evaluation and phasing



Source: Deco Bike



# How much does it cost?



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Station Size (Docks)	Bikes	Equipment and Installation	Approximate Annual Operating costs
11	6	\$35,000 to \$40,000	\$12,000 to \$15,000
15	8	\$45,000 to \$48,000	\$18,000 to \$21,000
19	10	\$53,000 to \$58,000	\$24,000 to \$28,000

Source: Interviews with Advisory group (Nov.2011- Jan. 2012)

Source: Zotwheels, Deco Bike, Boulder B-cycle



# Funding sources



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of Transportation  
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## PUBLIC

### FEDERAL

- US DOT
- US HHS
- CDC
- CPPW grants
- US DOE

### STATE

- State transportation funds

- State DOTs

### LOCAL

- Parking fees

## PRIVATE GRANTS

### GRANTS

- Health related organizations (ex. Blue Cross/Blue Shield)
- Active living organizations (ex. New Balance)
- Local foundations
- Local businesses

## CUSTOMER FEES

### MEMBERSHIP FEES

- \$45-\$85 – one year
- \$15-\$60 – one month
- \$15-\$30 – 3 day/weekly
- \$5-\$7 – daily

### USAGE FEES

- Free first 30-60 min.
- Additional fee for every 30 min. thereafter

## ADVERTISING AND SPONSORSHIP

- Naming rights
- Advertising
- Logos on equipment and website

# US DOT Funding



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## FHWA

- Formula
  - CMAQ and TE
- Discretionary/Grant
  - TIGER, TCSP
- Other
  - Non Motorized  
Transportation Pilot Program

## FTA

- Bus Livability
- Paul S. Sarbanes Transit in  
Parks grant program
- Job Access Reverse Commute

Source: Capital Bikeshare





# Issues with Federal Funding



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- Not a consistent approach within US DOT
- Funding issues:
  - Federal funding eligibility;
  - Grant administration and contract management;
  - Environmental assessments may be required
  - Buy America—products made of steel or iron;
  - Funds not for operating expenses and maintenance

Source: Denver B-cycle, Deco Bike, Hubway





# Business models



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- Overlap between business models
- Multiple influencing factors:
  - Funding sources
  - Institutional capacity
  - Liability concerns
  - Politics
  - Regulations



Source: Boulder B-cycle

# Business models



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## FOR-PROFIT BUSINESS



## NON-PROFIT ORGANIZATION



## JURISDICTION OWNED AND MANAGED



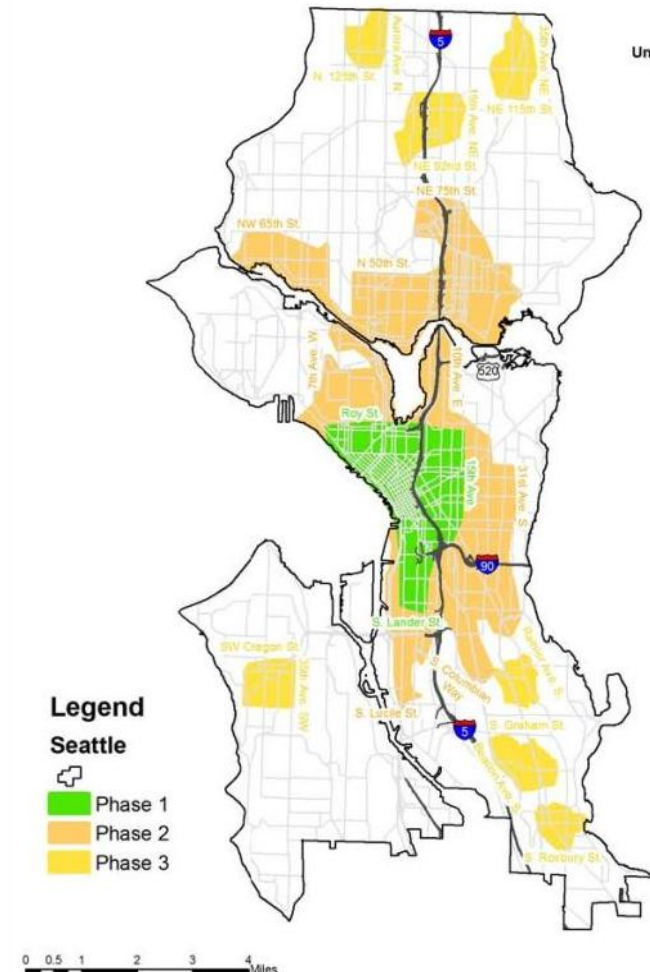
# Planning



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- Feasibility Study
  - Potential demand
  - Scope and service area
  - Business model
  - Program costs
  - Funding sources
  - Technology/equipment
  - Phasing
  - Pricing
- Vendor/operator selection
- Program administration, contracts, and procurement

**Proposed Seattle Bike-Share  
Implementation Phases**



**SEATTLE**  
BICYCLE  
SHARE  
feasibility study

University of Washington  
Bike Share Studio

Source: *Seattle Bikeshare Feasibility Analysis*

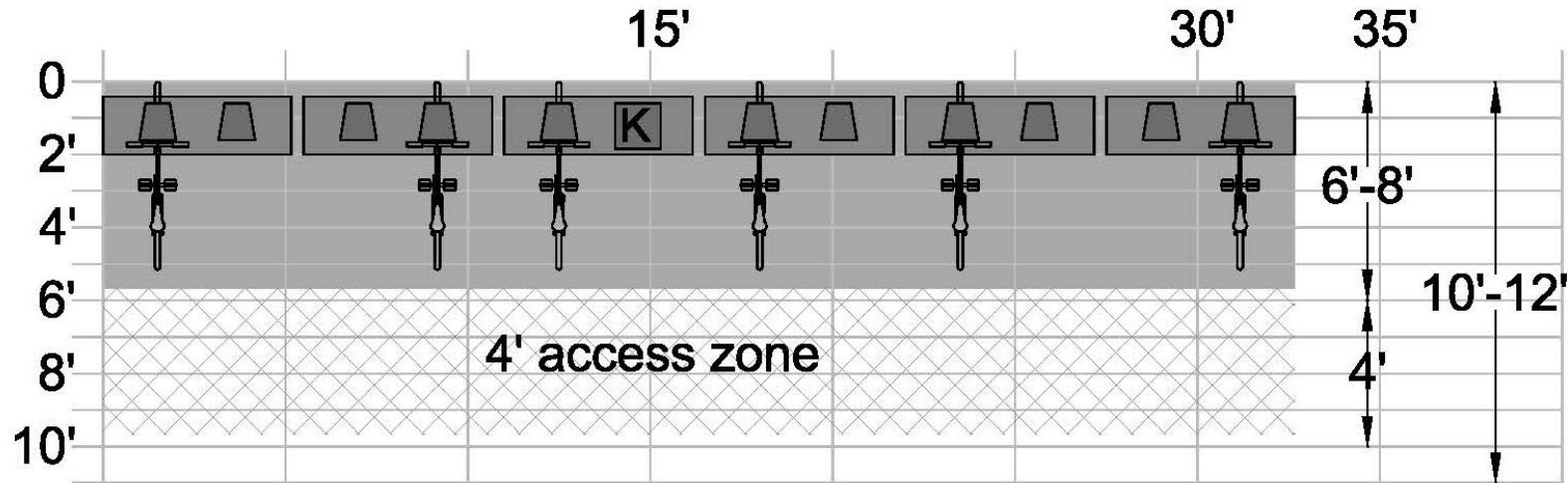


# Planning

## Station siting requirements



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Docks	Width	Station Depth	Access Depth	Total Depth	Weight
11	31 to 32 feet	6 to 8 feet	4 feet	10' to 12'	3000 to 5000 lbs
15	40 to 42 feet	6 to 8 feet	4 feet	10' to 12'	4500 to 5500 lbs
19	50 to 52 feet	6 to 8 feet	4 feet	10' to 12'	5500 to 6500 lbs

Source: Interviews with Advisory group (Nov.2011- Jan. 2012)



# Implementation



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- Service hours and program “season”
- Marketing and sustainability
- Data analysis and redistribution of bicycles
- Request public input



Source: Kaiser Permanente

# Promoting safety



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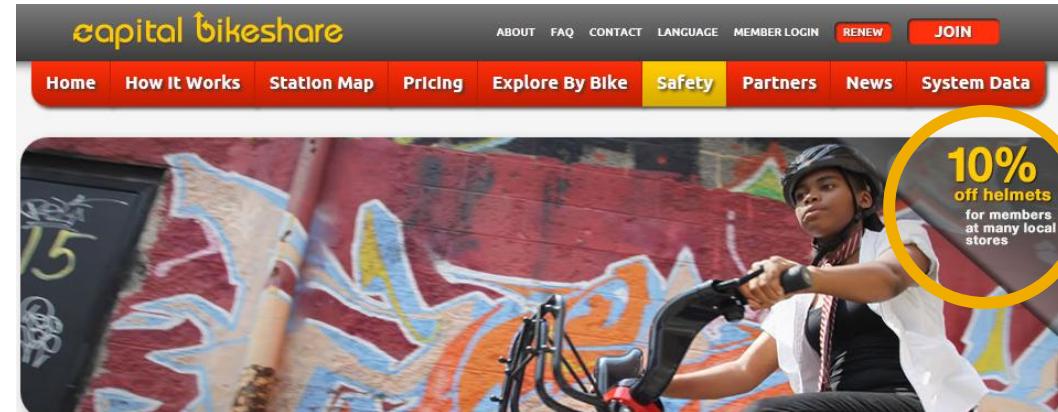


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- Very low rates of reported crashes
- Helmet use encouraged
- Bicycle design (heavier, slower, highly visible)
- Educational information on websites and at kiosks
- Links to bicycle safety resources and training

Source: Hubway



Source: Capital Bikeshare

## Getting a helmet for Boston's Hubway

**Online** - When you sign up for a Hubway membership, you can add a helmet to your purchase while registering. We'll mail it right to your front door.

**In a Local Business** - Buy a helmet from one of [these retailers](#), many which are located conveniently near Hubway stations.

**On the Street** - Look for the Boston Bikes and Hubway Street Teams out at busy Hubway stations. We'll have helmets available right where the bikes are. Find out where we will be next on [Facebook](#) and [Twitter](#).

# Limiting liability



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- Maintain equipment and infrastructure
- Include waivers in rental agreements
- Educate users about safe bicycling
- Strategic partnerships to distribute risk
- Purchase insurance
- Work with local attorneys



*Source: Mary Black Foundation*



# Program success



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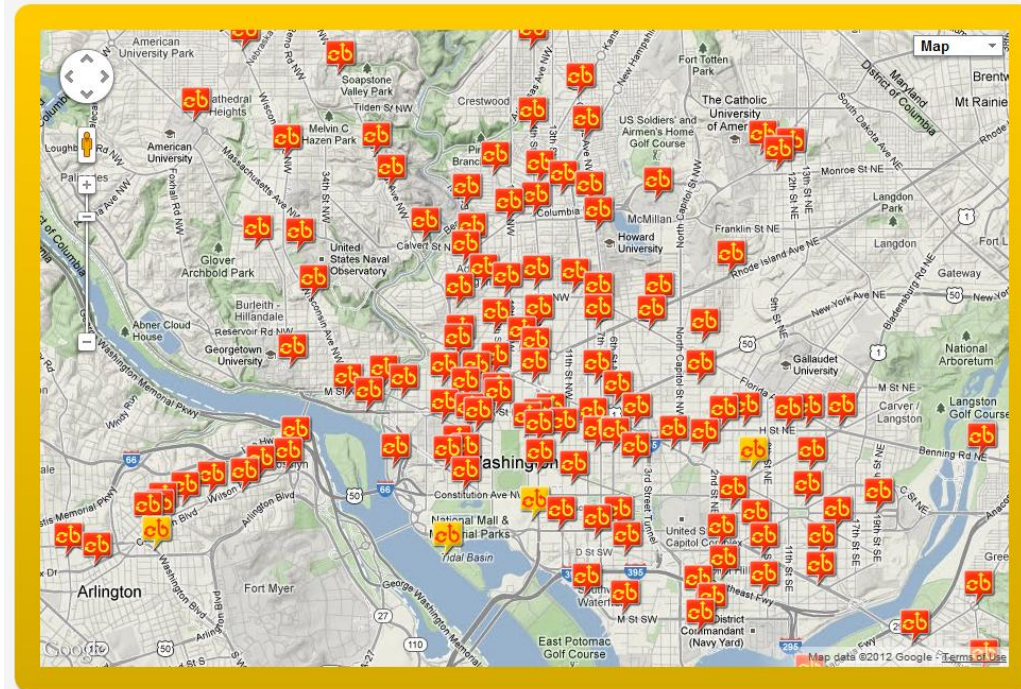


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Administration

## Several successful mid to large scale programs

- Capital Bikeshare  
(1,200 bikes – DC Area)
- Nice Ride  
(1,200 bikes – Twin Cities area)
- Deco Bike  
(800 bikes - Miami Beach, FL)
- San Antonio B-cycle  
(200 bikes)
- Denver B-Cycle  
(520 bikes – Denver)



Source: Capital Bikeshare



# Program success



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- Successful small scale programs too
  - Spartanburg B-cycle  
(14 bikes/2 stations – Spartanburg, SC)



Source: Spartanburg B-Cycle



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## Multiple ways to measure success



# Future Programs



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- Atlanta, GA
- Aspen, CO
- Austin, TX
- Baltimore, MD
- Charlotte, NC
- Chicago, IL
- Chattanooga, TN\*
- City of Los Angeles, CA
- Fort Worth, TX
- Fullerton, CA
- Kansas City, MO\*
- New York City, NY
- Monterrey, CA
- Montevallo, AL
- Mountain View, CA
- Oklahoma city, OK
- Palo Alto , CA
- Portland, OR
- Redwood City, CA
- Seattle, WA
- San Francisco, CA
- Houston, TX



## **Pursuing Social Equity in Bike Sharing**

Thurs May 3, 1:30PM EST

<http://www.nctr.usf.edu/2012/04/social-equity-bikesharing-netconference/>

Federal Transit Administration  
National Center for Transit Research (USF)



# More information?



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

# THANK YOU!

For more updates

[www.bicyclinginfo.org/bikeshare](http://www.bicyclinginfo.org/bikeshare)

RJ Eldridge

[reldridge@tooledesign.com](mailto:reldridge@tooledesign.com)

Mauricio Hernandez

[mhernandez@tooledesign.com](mailto:mhernandez@tooledesign.com)



# Capital Bikeshare: A National Leader in Bike Sharing

d.




# Capital Bikeshare at a Glance



- **Capital Bikeshare is a joint transit system operating in D.C., Arlington County, and now the City of Alexandria. The system is government-owned.**
- **Launched on September 20<sup>th</sup>, 2010, with 110 stations and 1,100 bikes. System runs 365 days a year (weather permitting), and 24 hours/7 days per week.**
- **After 17 months of operations, have expanded to 1,450+ bikes at 155 solar powered docking stations due to system's success and popularity. Currently the largest bike sharing system in the country.**
- **Operated by Alta Bicycle Share, using Public Bicycle Share Company (PBSC) equipment.**
- **Complements other transport modes and works best in dense urban areas.**

# Funding/Associated Costs

- **Phase 1 of the D.C. portion of Capital Bikeshare was funded by \$6,400,000 from Federal Highways Administration Congestion Mitigation Air Quality Improvement fund.**
  - **Arlington portion of Capital Bikeshare is funded by \$800,000 from combination of State, County and private sector funds in roughly equal thirds.**
  - **Subsequent funding for expansion has been primarily with CMAQ funds for both DC and Arlington. In addition, DC has used program revenue to purchase additional capital equipment (stations, bikes, etc.)**
  - **A 19 dock/10 bike station is approximately \$55,000. The per bike cost is \$1,300. The annual O/M fee per station is \$23,000 (includes bike rebalancing, station/bike maintenance, 24/7, 365 days-a-year call center and Web site.**
- 



# The Bike




- Comes equipped with front and rear lights and fenders, step-through frame, RFID chip to track beginning and ending station destinations, basket, safety messages on the head cap, adjustable seat post, three gears and bell.
- Designed for utilitarian usage. Simple, safe, easy to ride.
- After 17 months of usage and more than 1.8 million rides, bikes have held up remarkably well.



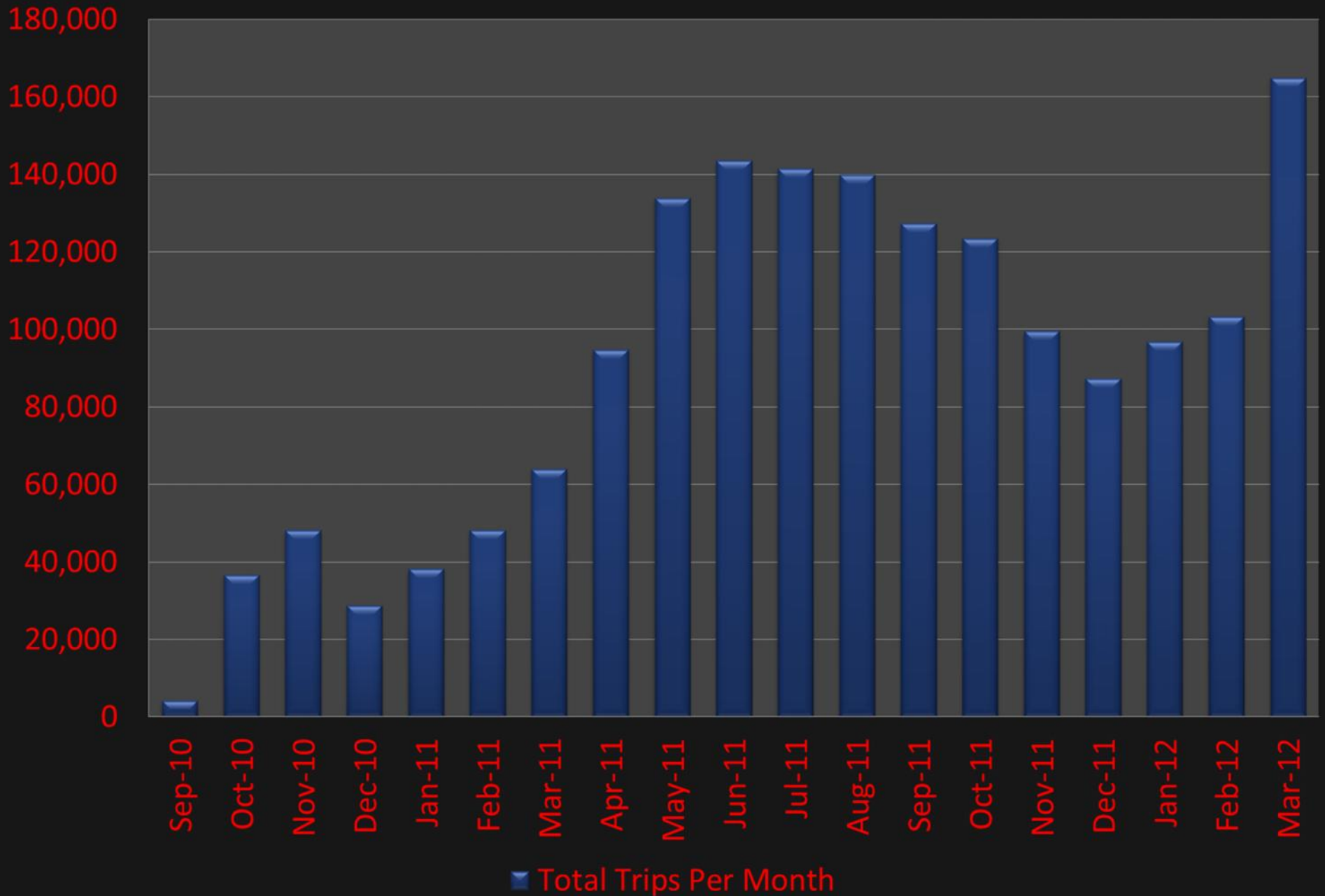


- **Consists of a kiosk, map frame, solar panel, and variable number of docks. Stations can be expanded or contracted based on usage trends and patterns.**
- **Station installation does not require any excavation or construction work. Stations are installed within 3 hours.**
- **Bikes can be accessed at a station by a member key or credit card.**

# Statistical Highlights After 17+ Months of Operation

- In 17 + months of operation, there have been a total of 1,866,917 Capital Bikeshare trips, an average of 110,000 trips per month.
  - In 17 + months of operation, a total of 1.8 million miles have been traversed on Capital Bikeshare bikes.
  - In 17 + months of operation, the busiest station (Dupont Circle and Massachusetts Avenue NW) has had 141,415 beginning and ending trips, an average of 8,900 trips per month.
  - In 12 months of operation, there were 1 million trips. Current projections have Capital Bikeshare reaching the next 1 million trips in 8 months.
  - In the last year, Alta has rebalanced (picked up and dropped off) more than 290,000 bikes, an average of 24,000 bikes per month or 800 bikes per day.
- 

# Total Trips Per Month





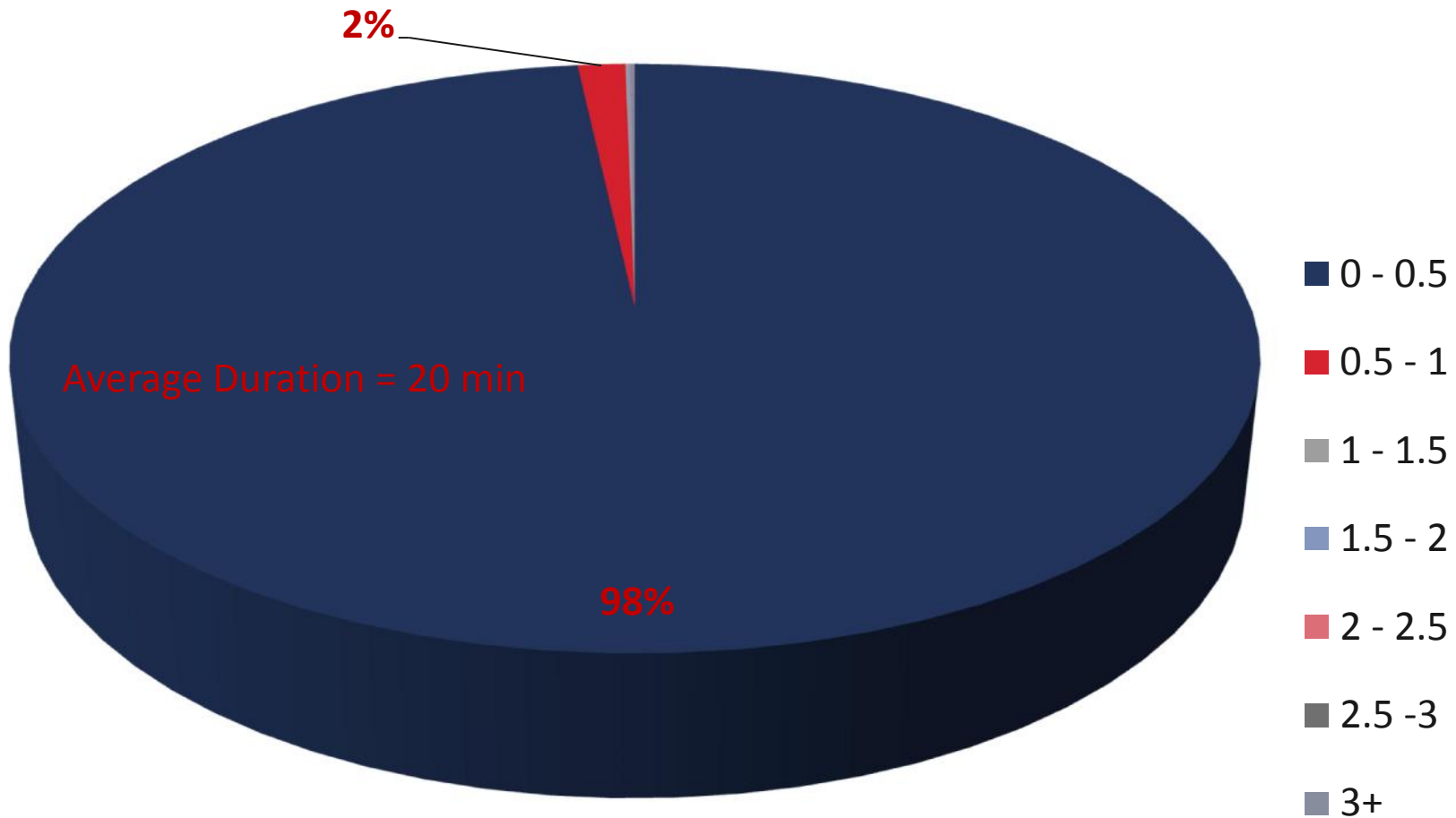
# Membership at a Glance



- **Capital Bikeshare currently has 16,767 active annual members. Cumulatively, we have had more than 20,000 annual members. In the last three weeks, we have had 1,540 new members sign up, or 514 new members per week.**
- **117,000 24-hour members have signed up, more than 3 times the number Minneapolis has had, in approximately the same amount of time.**

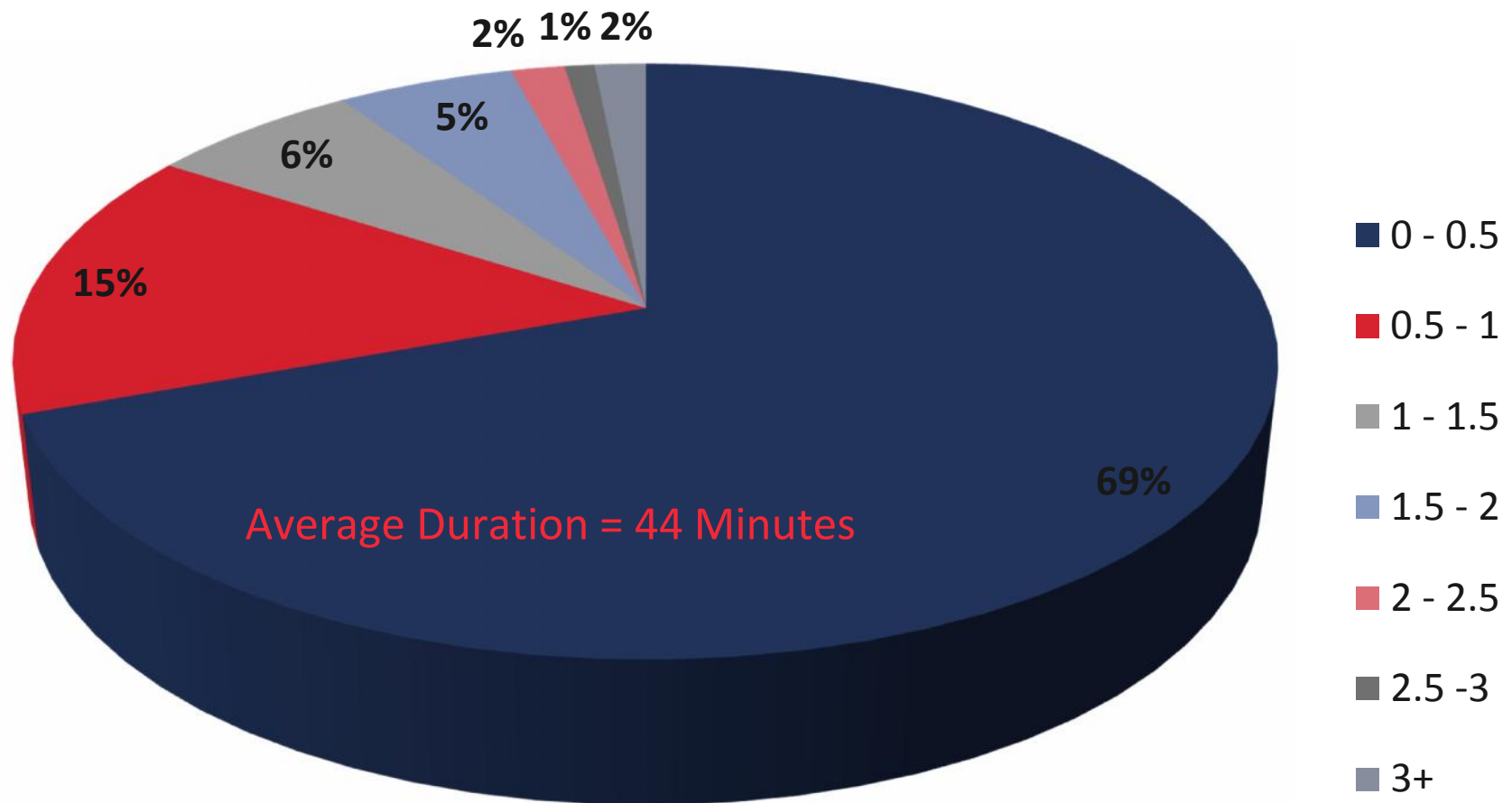
# Annual/Monthly Member Ridership

## Ride Duration



# Casual Member Ridership

## Ride Duration

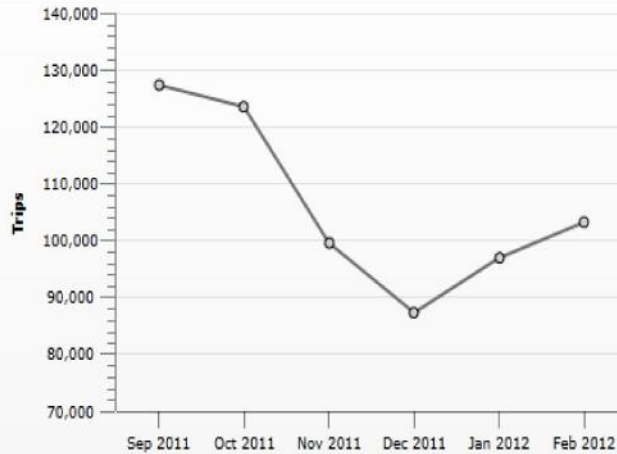


Capital Bikeshare Dashboard

FAQs

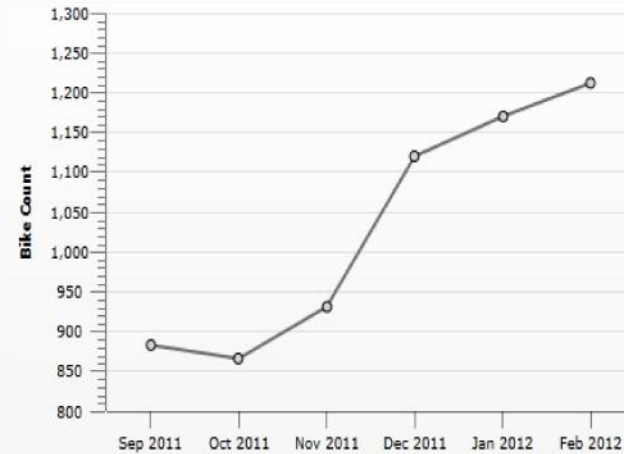
Ridership

System-Wide Trips by Month



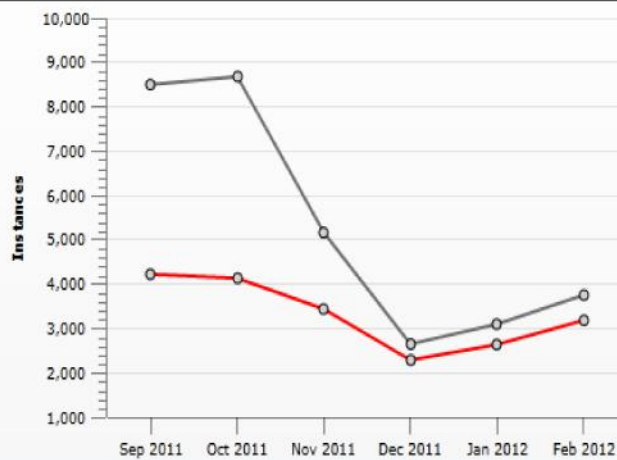
Fleet Performance and Safety

System-Wide Bicycle in Service by Month



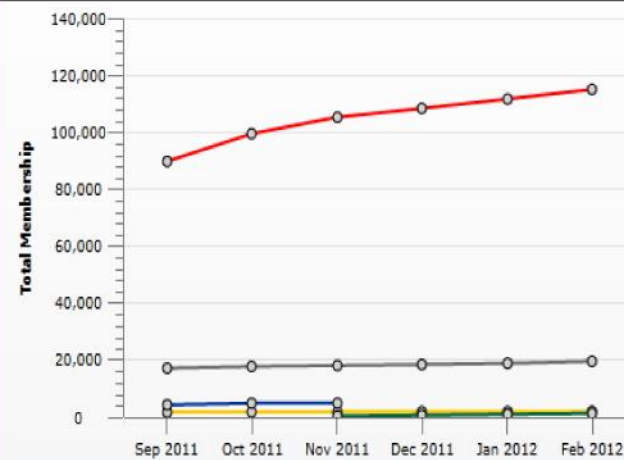
Customer Service

System-Wide Empty/Full Instances by Month



Membership

System-Wide Total Membership by Month





# Bikeshare Partnerships

- Currently, Capital Bikeshare features corporate partnership with 32 entities, ranging from local universities, congressional offices, federal agencies, large corporations and non-profits.
- In late 2011, Capital Bikeshare formed a partnership with Bank on DC, providing \$50 memberships to individuals who become “banked,” opening up a checking or debit account with United Bank or the District Government Employees Federal Credit Union, two local financial institutions.
- Three weeks ago, Capital Bikeshare joined with Back on My Feet in a pilot program, offering \$50 memberships to 10 Back on My Feet participants, homeless individuals who receive job training, financial literacy courses and access to academic courses. Back on My Feet anticipates saving \$7,000 in transportation costs through the partnership.
- Last summer, Capital Bikeshare sold 500 24-hour memberships and provided 60 helmets to Kimpton Hotels to distribute to their guests. This summer, Capital Bikeshare will partner with other local hotels in offering 24-hour memberships and helmets to tourists and visitors to the region.

**Bank on DC**  
★★★★★ *Everyone is Welcome*

**back on my feet!**  
MOVING THE HOMELESS FORWARD ONE STEP AT A TIME

# Our Latest Initiatives



- As part of the program's commitment to safety, Capital Bikeshare now sells helmets on our Web site for purchase to new and renewing members.
- In addition, Capital Bikeshare added safety decals to the headset of 1,200 bikes. The ten variations of decals recommend that users wear a helmet, strongly discourage riding against traffic and remind users to obey all traffic laws.
- In order to reach those residents who might be unable to afford the up-front cost of an annual membership, we now offer the option of a monthly installment plan towards an annual membership (\$7/month).

**Josh Moskowitz**  
**[josh.moskowitz@dc.gov](mailto:josh.moskowitz@dc.gov)**





# **San Antonio B-Cycle Municipal Bike Share System**

**Julia Diana, AICP**

**City of San Antonio Office of Environmental Policy**



**Bike Sharing in the United States: State of the Practice and Guide to Implementation  
April 26, 2012**



# San Antonio Statistics



**7th LARGEST  
city in U.S.**

- Population 1.2 million
- 368.6 square miles

Among largest 50 cities in U.S.:

- 45th in bicycling to work at 0.1%
- 0.4 miles of facilities per square mile in San Antonio (vs. avg. 1.6 mi/mi<sup>2</sup>)
- 41st out of 50 for total walking and biking levels
- 36th out of 50 for per capita funding for bicycle and pedestrian facilities
- 2/3 population is obese or overweight



**The Alamo**



# San Antonio B-Cycle Bike Sharing



**Main Plaza**

Providing alternative transportation options that reduce traffic congestion while improving public health



American Recovery and Reinvestment Act Funding:

Energy Efficiency Community Block Grant (EECBG)

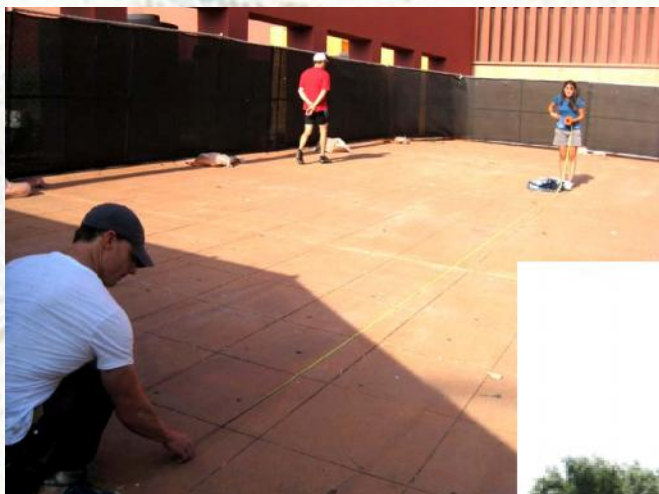
**\$920,866.00**

Communities Putting Prevention to Work (CPPW)

**\$339,880.00**



# Getting to Bike Share



**Central Library**



# If you build it, will they come?



La Villita



# Viva Fiesta!





# Procurement



3  
mos.

- Feasibility study
- Write RFQ
- Post & advertise RFQ
- Pre-submittal conference

8  
mos.

- Proposal evaluations
- Interviews
- Proposal selection
- Contract negotiation
- City Council briefings
- City Council action



Take Away: Write a flexible document within the confines of agency legal requirements and funding stipulations, and allow plenty of time for review and comment!

***Federal \$ comes with lots of strings!***



# Approvals, Permitting, Site Prep



**Letters of support \* Historic Design and Review Commission \***  
**Construction permits \* Electrical permits \* Permission and agreements between San Antonio Bike Share and property owners \* Site prep**

## Take Aways:

- Not everyone thinks Bike Share is a great idea!
- Permitting bike share stations is a novelty and probably doesn't fit within existing municipal guidelines.
- Keeping lines of communication open is essential; Weekly site prep meetings established with conference call option



**San Antonio Museum of Art**





# Program Details



## 30 Minutes to Everything

YOU GET A FRESH 30 MINUTES EVERY TIME YOU DOCK!



Take one-way rides  
and drop off your bike  
every half hour to  
avoid usage fees

Bikes can be picked  
up and returned at any  
station in the city



[SANANTONIO.BCYCLE.COM](http://SANANTONIO.BCYCLE.COM)

**SAN ANTONIO** **B** *cycle*

- 230 bikes located at 23 popular origins/destinations downtown
- “Smart” kiosks are customer friendly and accessible in English or Spanish.
- Bikes are theft-resistant and equipped with GPS devices. Kiosks are graffiti and vandal-resistant, made in the USA.

**Challenge: What is Bike Sharing?**



# Program Details



Maintained and operated by  
San Antonio Bike Share  
501(c)3



Mayor Julian Castro

- For residents *AND* tourists
- Business model: memberships, advertising, corporate sponsorships to support expansion
- Goal: 350 bikes, 35 stations





# Program Details



**La Villita**



- Affordable memberships are available by the year at \$60, week at \$24, or day at \$10. (Special grant-subsidized \$25 annual passes were promoted the 1<sup>st</sup> year.)
- Bikes are designed to adjust to users from 5'2" to 6'4", have baskets, and built-in bike locks.

- Specially trained mechanics service and redistribute the bikes daily.



**Central Hub**



# Operations & Maintenance



A few things to think about everyday...

**Website** \* Customer service \*

Operating hours \*

**Bike maintenance** \*

**Kiosk maintenance** \*

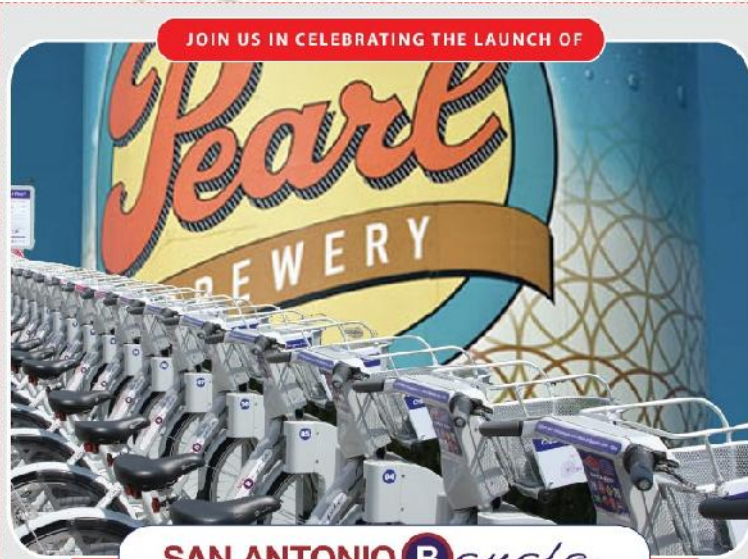
Marketing \* **Promotion** \*

**Redistributing bikes**





# Sponsorships & Advertising



**SAN ANTONIO B cycle**

ON  
FRIDAY, THE 29TH OF OCTOBER, 2010 (5PM - 7PM)

AT  
PEARL BREWERY (breeze way)

Bike Share Demo & Refreshments Provided

HOSTED BY BIKE WORLD  
RSVP TO : [kat.gainey@bikeworld.com](mailto:kat.gainey@bikeworld.com)

San Antonio Bike Share is a next-generation bike-lending program that provides members with access to a fleet of B-Cycle bikes from 14 (and counting) stations placed in key locations in the downtown area.

It's affordable, clean, great for your health, the environment and gets you where you're going!



SAN ANTONIO BIKE SHARE





# Central Hub



One-stop resource for questions, directions, helmet check-outs, water, accessories, rentals (longer term), tour sign-ups



**B-Cycle Central Hub**



# 1<sup>st</sup> Year Results



Launched March 26, 2011

In the first year, San Antonio B-Cyclers:

- took over **32,000** trips
- logged **123,674** “alternative transportation” miles
- burned over **5.4 million** calories
- offset **129,069 lbs.** of carbon

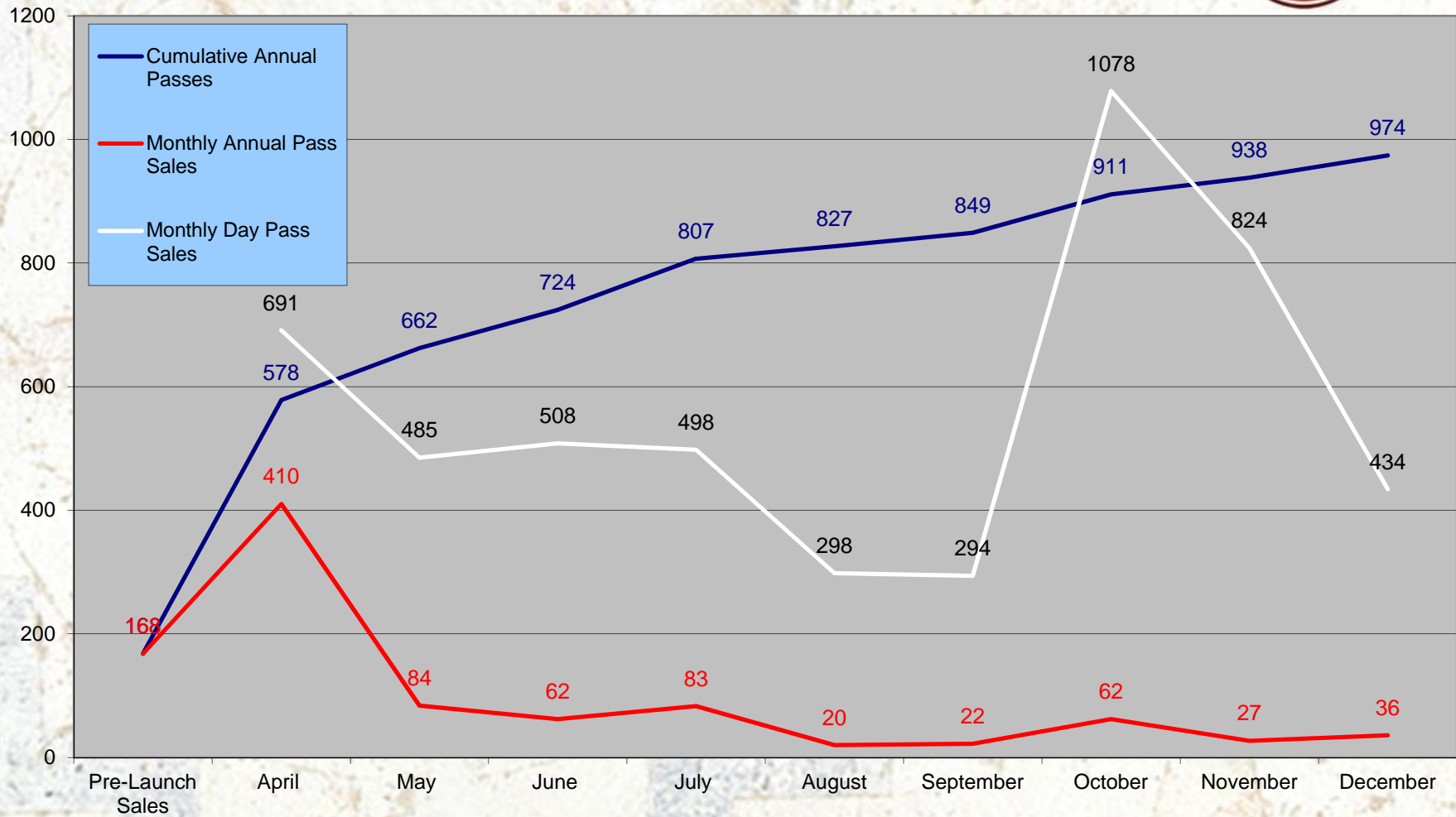


Ellis Alley Transit Center is solar-powered and promotes multi-modalism

# Results



## SAN ANTONIO **B**cycle Cumulative and Monthly Membership Sales





# Results



SAN ANTONIO **B**cycle

## Trips per Week



# Results



## Sunday 2 October 2011 Estimated Maximum Simultaneous Use

CITY	LOCAL TIME OF MAXIMUM	WEATHER	NO OF BIKES IN SYSTEM	MAX % IN USE
Lille	Sunday 16:56	Sunny	678	65.9%
Seoul	Sunday 16:16	Sunny	301	40.5%
San Antonio	Sunday 11:18	Sunny	109	37.6%
London	Sunday 15:52	Sunny	4765	36.9%
Vienna	Sunday 16:48	Sunny	878	30.6%
Saragossa	Sunday 19:44	Sunny	885	25.9%

Source: <http://oliverobrien.co.uk/2011/10/ville-and-bike-in-bath-online-huge-lille-figures/>



# Bragging Rights

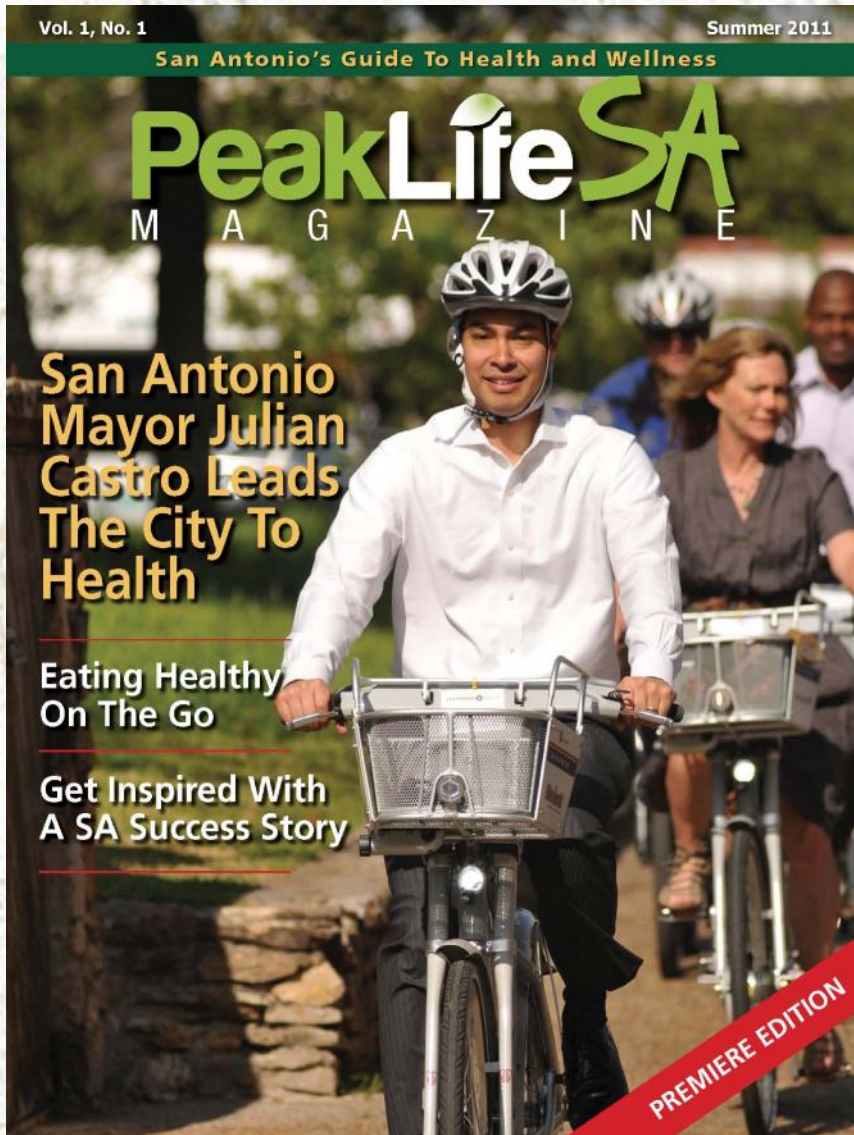


San Antonio named 25<sup>th</sup> fittest city in the March 2012 issue of Men's Fitness!





# Accolades



- International Downtown Alliance “Merit Award in Transportation”
- San Antonio Business Journal “Going Green Award”
- Women in Transportation Seminar “Innovative Transportation Solutions Award”
- Downtown Alliance “Best Public/Private Partnership”

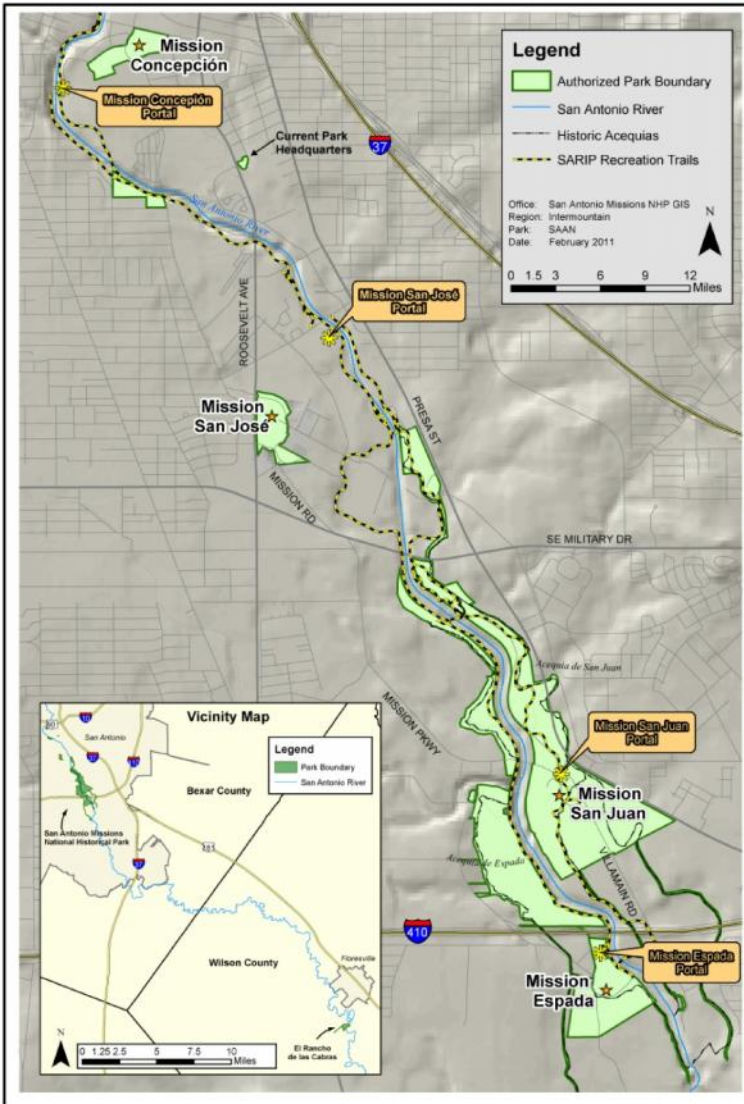


# New Frontiers: San Antonio River and Missions



San Antonio Missions National Historical Park  
Authorized Park Boundary and Future Park Venues

National Park Service  
U.S. Department of the Interior



## USDOT Paul S. Sarbanes “Transit in Parks” grant

•\$324,000 for 5-7 stations in San Antonio  
Missions National Historical Park



**Mission Concepcion**



# Sustainability and Growth



Ongoing support is key to success through the “5 Es”

Engineering

Education

Encouragement

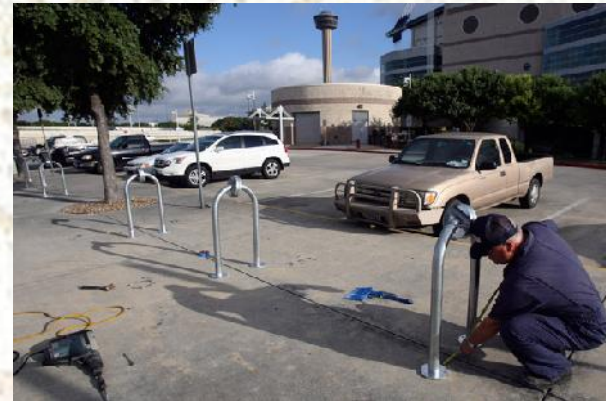
Enforcement

Evaluation





# Engineering





# Encouragement & Education



**AUTOS+BICICLETAS=AMIGOS**  
**S.A. LISTO PARA ANDAR EN BICI.**

**SAN ANTONIO BIKES**  
 Office of Environmental Policy

**DRIVE & BIKE FRIENDLY.**  
**S.A. IS READY TO RIDE.**

**SAN ANTONIO BIKES**  
 Office of Environmental Policy

**1 Downtown/Southtown Route**

This route begins near the Henry B. Gonzalez Convention Center, winds past the Alamo, and leads King William Historic District. It offers an intriguing blend of both urban and residential areas.

- Rivercenter Mall**—Opened in 1988. Features an upscale array of Southtown and the surrounding area of both urban and residential areas.
- The Alamo**—Spanish mission, construction began in 1724, site of the legendary 1836 battle.
- Early Allogon Hotel**—Originally the Medical Arts Building, 1924.
- Historic Menger Hotel**—Built in 1859 by German beer maker William Menger.
- The Rock of Friendship**—65 ft. tall, unmetalled, city by the government of Mexico.
- La Villita Historic Arts Village**—San Antonio's first settlement, early 1800s, shopping opportunities.
- HemisFair Park**—Public park created in 1968 for World's Fair, home of the Tower of the Americas.
- Blue Star Arts Complex**—Historic warehouse building featuring galleries, a bike shop, restaurants and more.
- Stevens Homebased Museum**—Three-story French Second Empire-style residence built in 1876.
- Willa Frank**—The first National Trust Historic Site in Texas, construction began in 1876 (opened Feb. 2019).
- King William Park**—Community park in the center of the neighborhood, showcasing fine 1800s mansions.

Public restrooms can be found in Rivercenter Mall and La Villita Historic Arts Village.

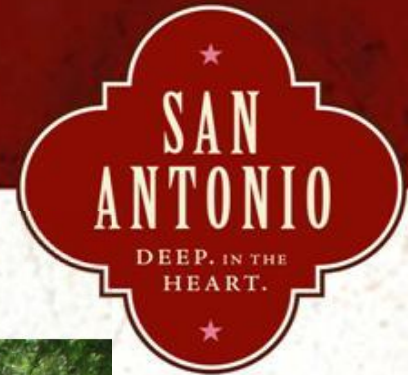
**402**

The Downtown/Southtown route passes by the Stevens Homebased Museum, a three-story residence built in 1876.

**2023 ADDED:** The City of San Antonio does not promote the accuracy, adequacy, completeness, or usefulness of any information, data, software, or other information, and it does not assume any liability.



# Enforcement



**SAN ANTONIO BIKES**  
Office of Environmental Policy

**Three Feet Please! It's the law.**

**TEXAS SAFE PASSING CITIES**  
Austin  
Beaumont  
Denton  
Edinburg  
El Paso  
Fort Worth  
Halotes  
New Braunfels  
San Antonio

AS OF 04/2011

The diagram shows a car passing a cyclist. A double-headed arrow between the car and the cyclist is labeled "3 ft". To the right, another car is shown passing a motorcycle, also with a "3 ft" arrow. The text "THE SAFE PASSING ORDINANCE STIPULATES THAT ALL VEHICLES MUST GIVE AT LEAST 3 FEET OF CLEARANCE WHEN PASSING VULNERABLE ROAD USERS" is written below the diagram.

- Safe Passing Ordinance
- Bike Light Ordinance



# Partnerships



Office of the Mayor  
and City Council

City Manager's Office

Metro Health

Planning and  
Development Services

Legal

Public Works

Purchasing

Convention Center

Convention and Visitors  
Bureau

Downtown Operations

Central Library

Parks & Recreation

Historic Preservation Office

Finance

Historic Design and Review  
Commission, Metropolitan Planning  
Organization, TxDOT, VIA  
Metropolitan Transit, Bexar County,  
Downtown Alliance, San Antonio  
Conservation Society, Main Plaza  
Conservancy, St. Paul Square  
Association, San Antonio Museum of  
Art, the Pearl, Blue Star, El Tropicano  
Hotel, Hemisfair Park Redevelopment  
Corporation, ...



Where do you  ?



**Julia Diana, AICP**

[www.sanantonio.gov/oep/sabikes](http://www.sanantonio.gov/oep/sabikes)

(210) 207-6321



[www.sanantonio.bcycle.com](http://www.sanantonio.bcycle.com)

(210) 281-0101

**HemisFair Park:  
Tower of the Americas**

# Thank You!

⇒ **Archive at** <http://www.walkinginfo.org/webinars>

- Downloadable and streaming recording, transcript, presentation slides

⇒ **Questions?**

- E-mail RJ Eldridge at [reldridge@tooledesign.com](mailto:reldridge@tooledesign.com)
- E-mail Mauricio Hernandez at [mhernandez@tooledesign.com](mailto:mhernandez@tooledesign.com)
- E-mail Josh Moskowitz at [josh.moskowitz@dc.gov](mailto:josh.moskowitz@dc.gov)
- E-mail Julia Diana at [julia.diana@sanantonio.gov](mailto:julia.diana@sanantonio.gov)