

# Bluemont Bike Share Task Force

## What is Bike Share?



# Bike Share Planning Experience





# What is Bike Share?

# History of bike share technology

- A pool of shared bicycles used for point-to-point trips
- 1<sup>st</sup> generation (late 1960s - 90s)
- 2<sup>nd</sup> generation (1980s - 90s)
- 3<sup>rd</sup> generation (early 2000s)
- 4<sup>th</sup> generation:
  - Internal gear/brake cables, puncture-proof tires, non-detachable seat and wheels
  - Deck/station is modular, movable, and solar-powered
  - Website and apps create interactive features



# Evolution of Available Technologies

Smart Lock Bikes



Providence's Social Bicycles

Movable/modular



Minneapolis Nice Ride

Permanently mounted



Miami's DecoBike

# How Does Bike Share Work?

- Only accessible to MEMBERS: annual via the web site or short-term (24-hour, weekly etc.) via the kiosk
- Subsidized memberships for low-income and/or the unbanked
- All members accounts are connected to a credit card account
- Bikes available for a free period— usually 30 minutes—or additional fee
- Short, one-way trips from station A to station B, parked/locked into any dock in the system



*Madison WI B-cycle*

# What are the Benefits?

- Improved individual and community health through active transportation
- Economic development (green jobs, improved access to businesses and helping to “brand” the city)
- Reduced vehicle emissions (5-25% of users substitute bike share for car/taxi trips)
- Contributes to the “safety in numbers” effect for all bicyclists
- Supplements the transit system



*New Balance Hubway,  
Boston*

# Growing Number of Systems

● Existing Bike Share System



# Who will use bike share?

## Typical bike share user profiles:

- **Local residents:** trips too long to walk and not convenient to drive
- **Downtown commuters:** going to/from CAT stations and lunch errands
- **People without access to a car or a bike:** looking for a supplement to transit
- **College students:** access to shopping or nightlife area
- **Visitors and tourists:** trips to Hershey Park, Metro bank Park, State House, and other destinations



# Station Siting Criteria

- Highly visible from street
- Pedestrian accessible
- Proximate to destinations (key transit stops, tourist sites, schools, libraries, retail/nightlife areas)
- Sensitive to Historic Districts
- Along key bicycling routes
- Good solar exposure
- Some buffer from vehicle traffic (bike lane is ideal)



*Sidewalk Stations*



*On-Street Stations*



# Questions