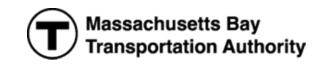


## AFC 2.0: THE NEXT GENERATION OF MBTA FARE COLLECTION

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MBTA CUSTOMER TECHNOLOGY

October 17, 2016

#### **Agenda**



July 18: Request for Qualification issued September 22: Statements of Qualification received – robust response

**Today:** Ensure the FMCB is briefed on policy implications written in RFP

- Recap
- The Rider's Journey on AFC2
- Key policies embedded in RFP

#### **Next:**

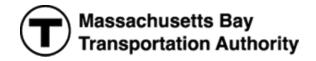
- Shortlist recommendation
- Schedule and process going forward

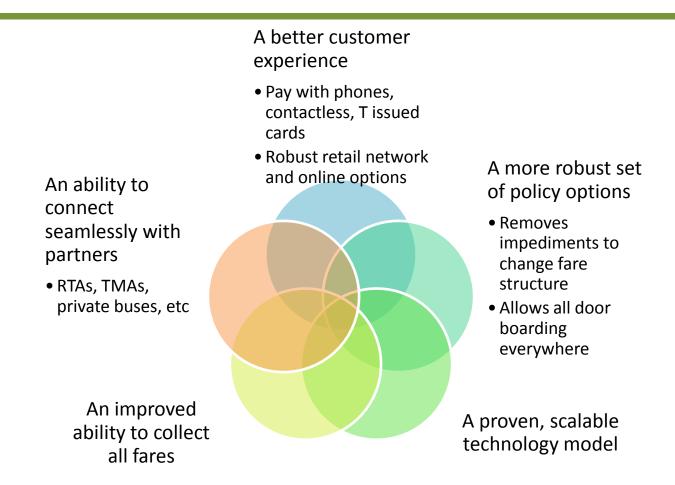






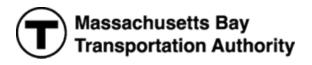
#### **What AFC2 Enables**





- Enable a policy, technology, and commercial framework for the next decade plus
- Align responsibility and accountability through a design-build-finance-operatemaintain model
- Create a superior customer experience for our riders, while controlling MBTA operating costs

#### A Rider's Journey Step 1: Obtain Fare Media





Bring Your Own: Contactless Credit & Smartphone

#### A Rider's Journey Step 2: Add Value or Pass



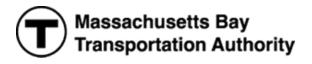


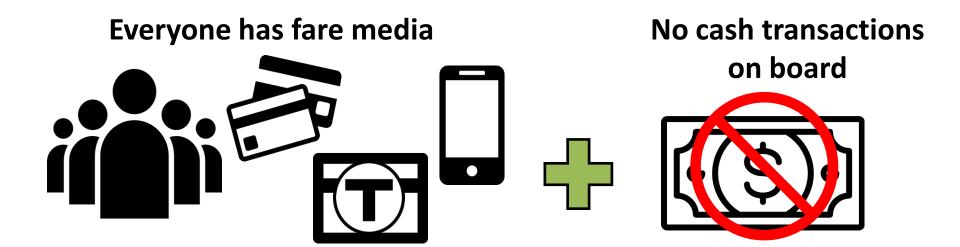


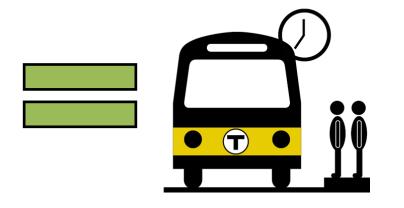




### A Rider's Journey Step 3: Get on Board!

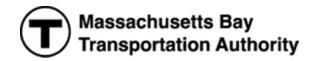






Boarding through every door means shorter lines and faster trips

#### **Key Policies in RFP**



Remove cash from on-board vehicles while ensuring access for all riders

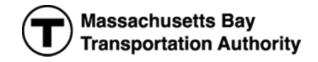
Enable all-door boarding & proof of payment:
Readers at all doors

Charge for fare media and distribute for free to those in need

Make investments now to allow future fare policies that require tap-out

#### **Key Policy 1:**

#### Remove cash from on-board vehicles



IN RFP: Remove fareboxes from all buses and Green Line vehicles

3.8% current cash payment on board

3.3% current Charlie reload on board

93% of all riders currently encounter a FVM weekly

London cashless since 2014

Standard will require 95% of journeys to start or end at payment location

Outreach underway to local stakeholder groups

#### **Benefits**

Challenges

Lowers MBTA cash handling costs

Allows all-door boarding

Reduces dwell time and improves travel speeds

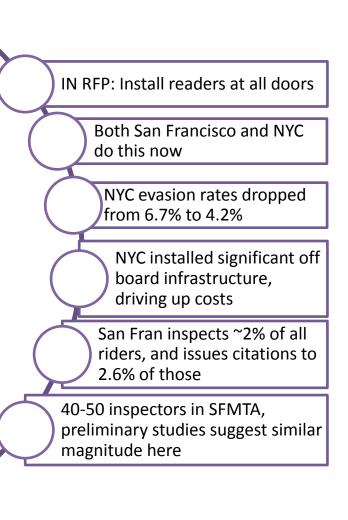
Requires affirmative effort to ensure access

- Peer and equity review completed
- Address through new vending locations and retail network

If OK, move to policy 2

## **Key Policy 2: Enable all-door boarding & proof of payment**





# Benefits Similar to most peers

Improves travel speeds

Reduces dwell time

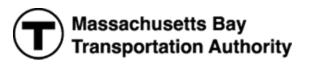
#### Challenges

#### Requires enforcement

 Internal working group to address legislative needs

If OK, move to policy 3

#### 21 of the 25 largest US transit properties that use smartcards charge for a card























Maryland

























#### **CHICAGO**



\$5 Card Fee

#### PHILADELPHIA (SEPTA)



\$4.95 Card Fee

#### **Key Policy 3: Charge for fare media and distribute for free to those in need**

#### IN RFP: Fixed cost pricing from vendor

MBTA has issued ~18 Million cards in 10 years

Cards will cost \$2-3 to produce

21 of the 25 largest US transit agencies with smartcards charge

"One more trip" overdraft: If a user has a card they can use it to access a bus immediately, and at anytime so long as they have a positive balance

Free cards provided through social service agencies and senior/youth centers

Partners will be accountable for distribution

#### **Benefits**

#### Challenges

Creates an incentive to hold on to the card

"One more trip" overdraft protection enabled

Don't leave any rider behind

\$5 card charge can be barrier to access

 Provide free cards through our partners

## **Key Policy 4: Make investments to allow future fare policies that require tap-out**

#### Benefits

#### Challenges

IN RFP: Readers on the inside of all gates

No sharing of fare media between people on a single trip

Media distribution to be focused on unconnected and unbanked

Don't reinvent the wheel: replicate policies in place in other tap out systems

Small add on now; harder in the future

Freedom for future fare policies that require tap-out

Significant improvement to data and planning Every individual 12 and over must have own media

#### **What AFC2 Enables**



A better customer experience

- Pay with phones, contactless, T issued cards
- Robust retail network and online options

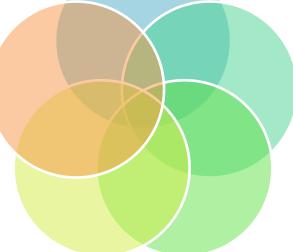
A more robust set of policy options

- Removes impediments to change fare structure
- Allows all door boarding everywhere

An ability to connect seamlessly with partners

• RTAs, TMAs, private buses, etc

An improved ability to collect all fares



Remove cash from on-board vehicles

Enable all-door boarding & proof of payment

Charge for fare media and distribute for free

Make investments now

A proven, scalable technology model