

Data Analytics

INTRODUCTION

Boston's Performance Management efforts, driven in partnership between the Citywide Analytics Team and the Budget Office, exist to ensure that the city delivers the most effective and efficient services possible. We work with departments across the City to solve challenging problems, build a more effective government, and deliver better outcomes for people who live and work in Boston.

This chapter highlights our approach, recent accomplishments, and plans for the upcoming year.

OUR APPROACH

Executive Insight

One of our top priorities is providing City leadership with performance data where and when they need it. We provide the Mayor, Cabinet Chiefs, and City leadership with dashboards and reports that provide up-to-date information so they can stay regularly informed about the effectiveness of programs, day-to-day operations, and progress toward accomplishing strategic goals.

Optimizing Process

Along with building the tools to understand how well the City is performing, we work collaboratively across 14 Cabinets to help identify pain points and develop immediate and potential long-term performance and process improvements. These direct engagements create lasting improvements for the City.

Engaging with the Public

The public plays a critical role in our work. To promote transparency, we publish City and departmental performance scorecards so people can see how the City is performing at delivering services, and to encourage innovation, we share our data so the public can create new tools and propose new ways for the City to deliver services.

ACCOMPLISHMENTS THIS YEAR

Continued Development of CityScore

Launched in January of 2016, CityScore is designed to inform the Mayor, City managers, and the public about quality of life and the performance of City government by aggregating key performance metrics into one number.

Over the course of the year, CityScore has improved the efficiency of core City services, including increased resources for emergency medical services. Additionally, we developed a toolkit this year to make CityScore shareable so that any government or organization can recognize the same benefits that we have here in Boston. The toolkit can be found at: github.com/CityOfBoston/CityScoreToolkit.

EMS Ambulance Allocation

We worked with Boston EMS to analyze how to best allocate resources in response to a growing call volume. Focusing on a subset of calls, incidents, and outcomes over multiple years, the analysis has prompted EMS to adjust the priority of calls to increase resource availability for higher-need medical incidents. We're also investigating how to increase ambulance response efficiency and levels of care for some of the City's most vulnerable residents.

311 Call Center Improvements

After noticing the 311 Call Center's CityScore was below 1, we worked with the team to build dashboards and reports to better highlight performance trends and more quickly identify issues. To supplement these tools, we also developed a broader performance improvement strategy that aims to improve call center efficiency and increase constituent satisfaction, with implementation beginning in early 2017.

SIGN INSTALLATION ON-TIME % - Target
80% completed within 30 business days

SIGNAL REPAIR ON-TIME % - Target 80%
completed within 24 hours

STABBINGS (TREND) - Fewer incidents than
previous years

STREETLIGHT ON-TIME % - Target 80%
completed within 10 business days

TREE MAINTENANCE ON-TIME % - Target
80% completed within 365 calendar days

PRIORITY FY18 PERFORMANCE GOALS

The Mayor’s FY18 budget priorities highlight the vision to create an environment that promotes equity, builds community, and helps fulfill Boston’s great promise. The performance measures listed below reflect the City’s top priorities and the partnerships necessary to achieve these ambitious goals. To track progress against these goals, visit the *Boston About Results* website at: boston.gov/finance/boston-about-results

Priority FY18 Performance Goals

Performance Measure	Responsible Department	FY 17 Projected	FY 18 Target
Education			
New K1 seats available	Schools	200	100
Participants in the Early Literacy Program	Boston Public Library	NA	60,000
Housing			
# of homeless Veterans placed in permanent housing	Neighborhood Development	248	200
# of low income housing units permitted (deed restricted and IDP)	Neighborhood Development	279	325
# of middle income housing units permitted (deed restricted and market)	Neighborhood Development	1,714	1,000
# of potential evictions averted	Neighborhood Development	281	500
Mobility			
Average annual PCI rating of Boston’s roads	Public Works	67	66
Average cost per streetlight	Public Works	NA	\$160
% of crosswalks in good repair	Transportation	NA	90%
Average personnel hours on a hokey route (hand cleaning streets/sidewalks)	Public Works	NA	1,000
Prosperity & Equity			
Average usage of City Hall to Go	Neighborhood Services	362	3,000
# of MWBE companies with the City of Boston	Economic Development	52	60
# of businesses recruited for Boston’s 100% Talent Compact	Women’s Advancement	57	250
Broadband adoption by families (i.e. households with children under 18)	Innovation & Technology	NA	100%
Arts, Culture, and Creativity			
% of first time BCC organizational grant awardees	Arts & Culture	28%	10%
Library card daily usage	Boston Public Library	3,300,000	3,400,000
Average number of Ebook holds	Boston Public Library	NA	40,000
Health & Safety			
EMS median response time for Priority 1 calls	Public Health Commission	6 Min	6 Min
# of mediations conducted by streetworkers	Boston Centers for Youth and Family	303	450
# of unique community center visitors	Boston Centers for Youth and Families	NA	150,000
Firefighters attending resiliency, health, and safety symposiums	Fire Department	375	375
YouthConnect referrals	Police Department	810	840

*New measures are denoted with an “NA” for the FY 17 Projected.

Table 1