Supplemental Materials for Assessing the Impacts of COVID-19 on Water Usage

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Sponsor

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# **Authorship Page**

Abstract - Written and edited by David Datta and Pranjal Mann

Introduction - Written by David Datta, edited by Pranjal Mann and Patrick Spillane

Background - Intro and Summary written and edited by David Datta and Patrick Spillane

Water Use and Infrastructure - Written by David Datta, edited by Patrick Spillane

COVID-19 Effects on Water Usage - Written and edited by Patrick Spillane

Drought’s Impact on Water Consumption - Written and edited by Patrick Spillane

Gathered and Relevant Data - Written by David Datta, edited by Pranjal Mann

Methods and Tools - Outline by Patrick Spillane, Intro written and edited by David Datta and Patrick Spillane

Organizing Data - Written by David Datta, edited by Patrick Spillane

Analyze Patterns and Trends - Written and edited by David Datta and Patrick Spillane

Mapping Water Use against Socioeconomic Factors - Written and edited by Patrick Spillane

Results and Discussion - Intro written and edited by Patrick Spillane

Total Volume Change - Written and edited by Patrick Spillane

Seasonal Volume Change - Written and edited by Patrick Spillane

Residential Water - Written and edited by Patrick Spillane

Sectoral Water Use - Written and edited by Patrick Spillane

RGPCD and UAW Comparison - Written by David Datta, edited by Patrick Spillane

Mapping Residential Use against Median Household Income - Written and edited by David Datta

Municipalities of Interest - Written and edited by Pranjal Mann

Changes in Total Usage - Written and edited by Pranjal Mann

Changes in Sectoral Data - Written and edited by Pranjal Mann

RGPCD per Municipality - Written and edited by Pranjal Mann

Conclusions and Recommendations - Conclusion written by Patrick Spillane, edited by David Datta

Recommendations - Written and edited by David Datta and Patrick Spillane

# 

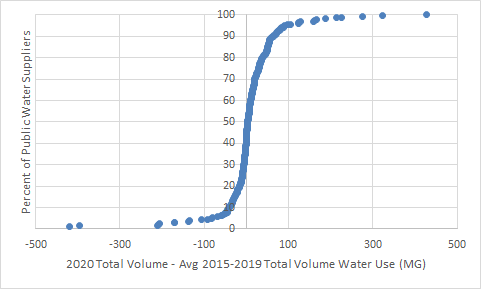
# **About the Sponsor**

“MassDEP serves the Commonwealth. We enforce laws that protect our air, land and water. We help cities and towns with local environmental issues. We write permits that support natural resources, public health and our economy. We inspect contaminated sites and ensure proper cleanup. We work with federal, state, local and citizen partners for a cleaner environment.” - MassDEP Homepage

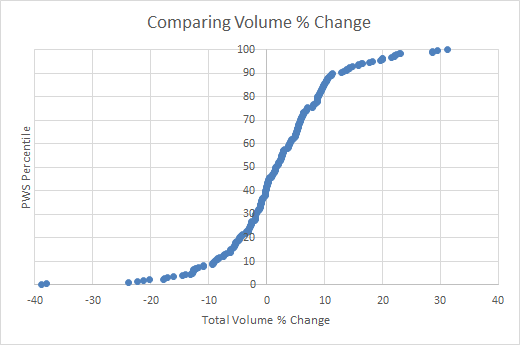
Our contacts from the MassDEP are Duane LeVangie, Water Management Program Chief with the Bureau of Water Resources and Linjun Yao with the Bureau of Water Resources.

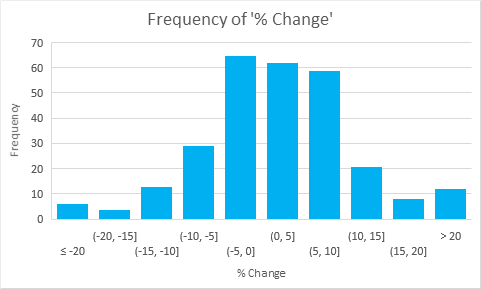


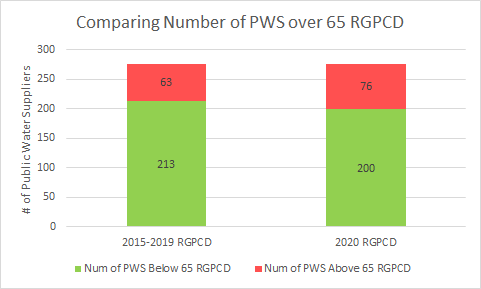
# **Graphics and Charts**

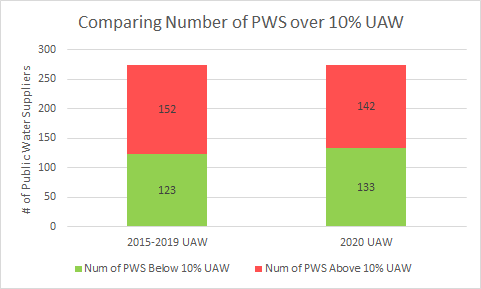


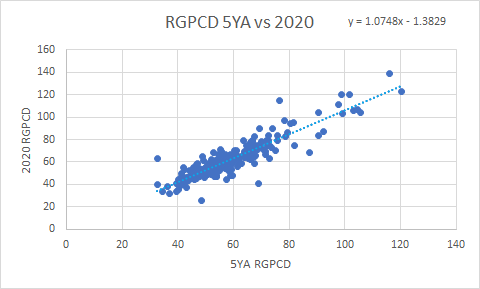
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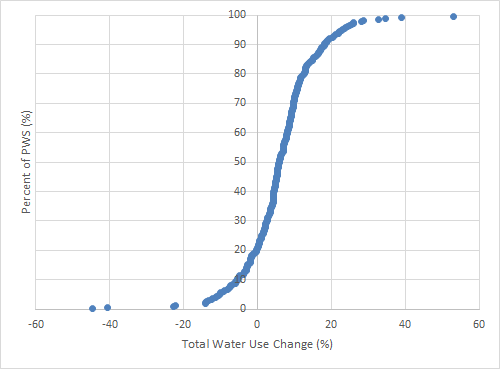


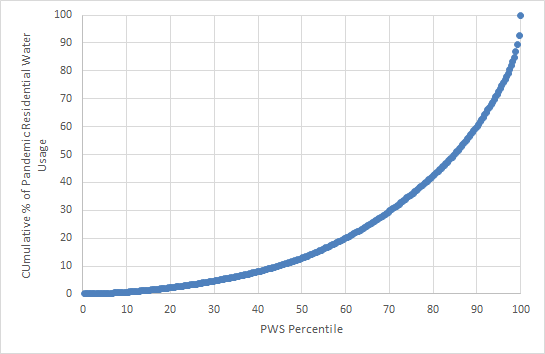


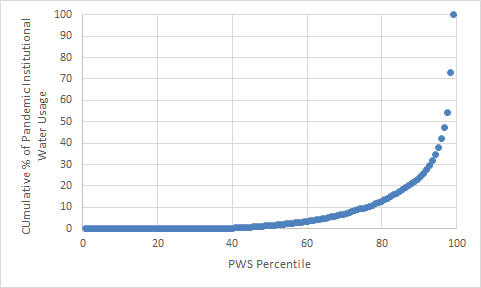


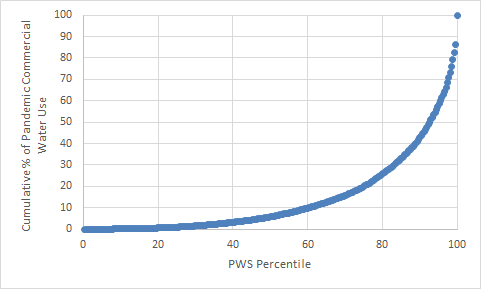


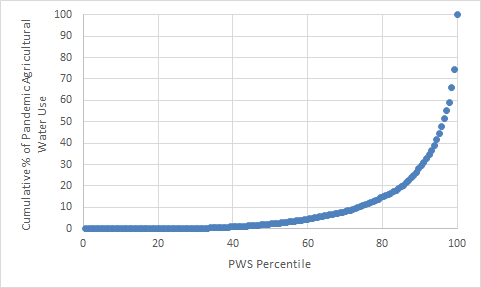


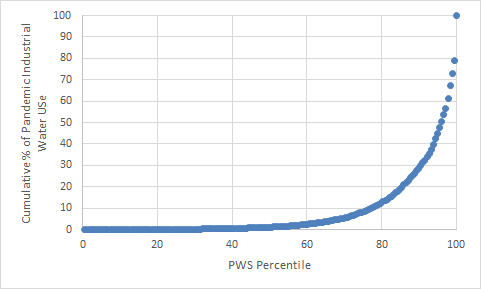


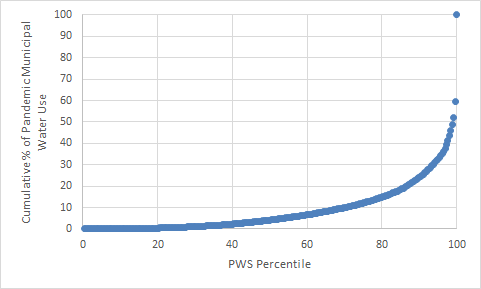


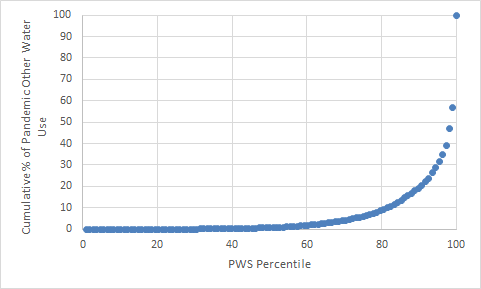


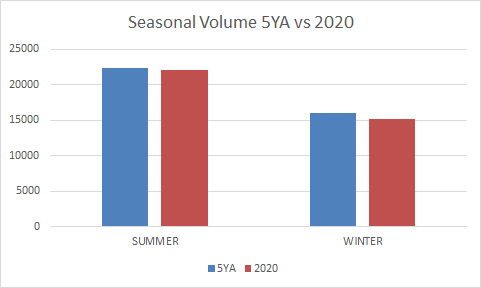


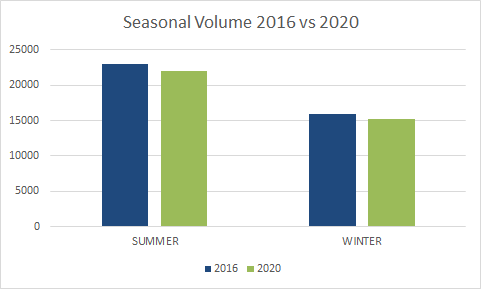


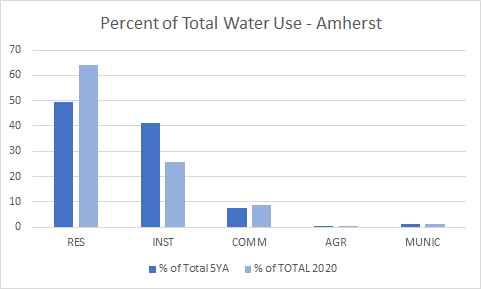


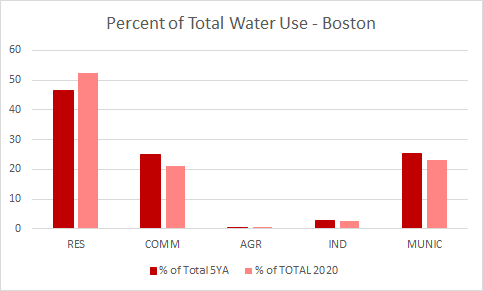


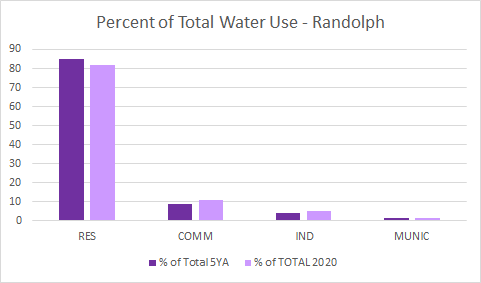


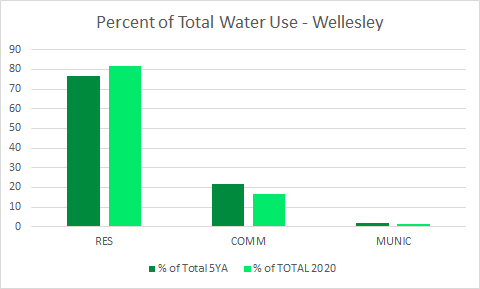


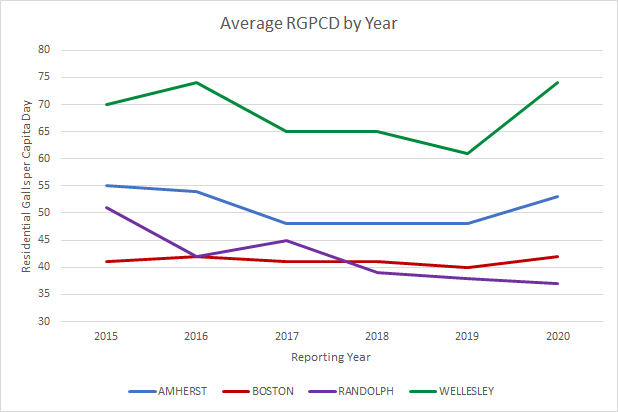


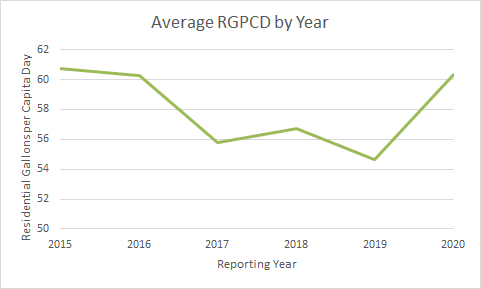


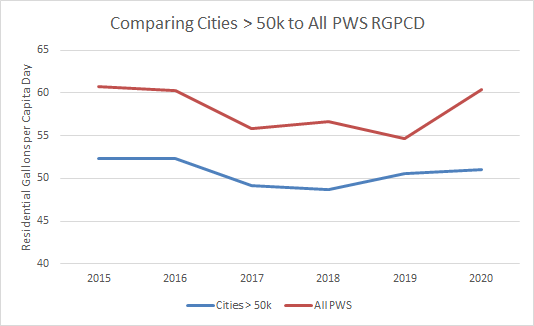


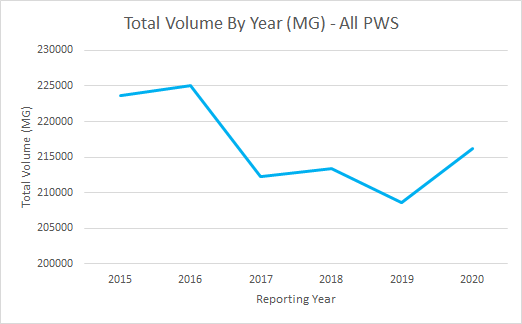




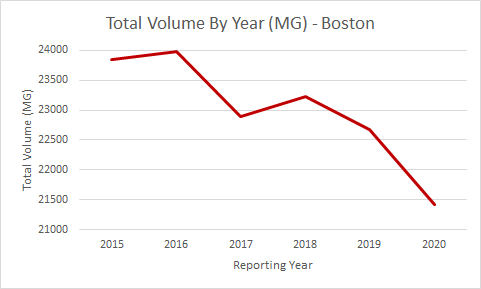


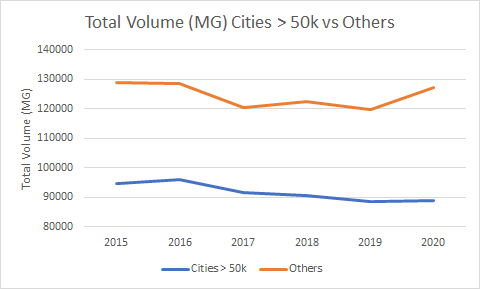


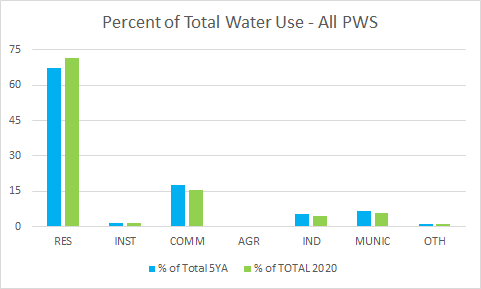


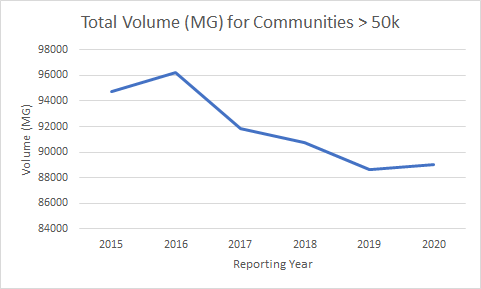


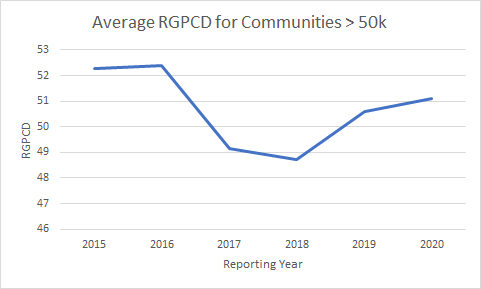


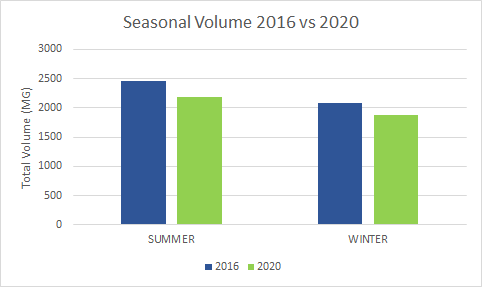


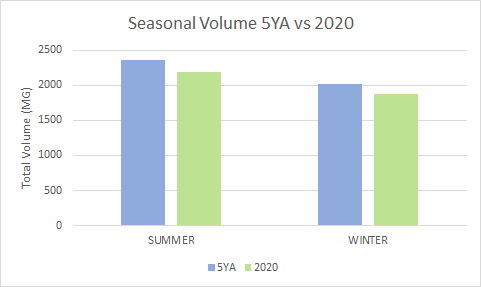


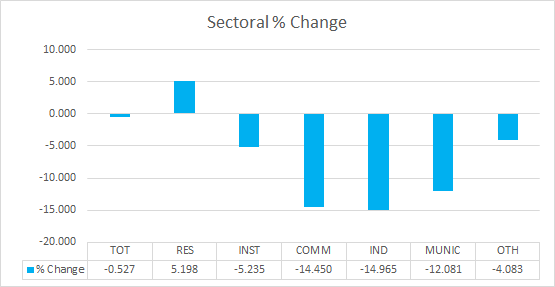


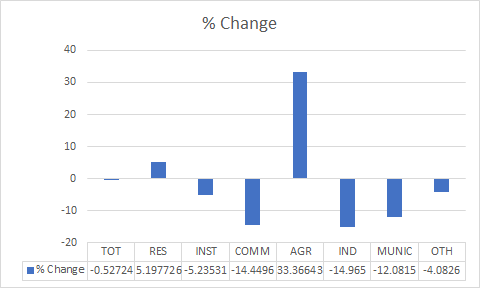


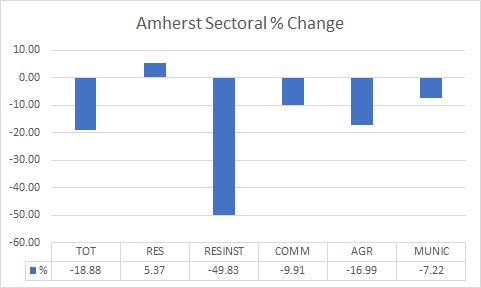


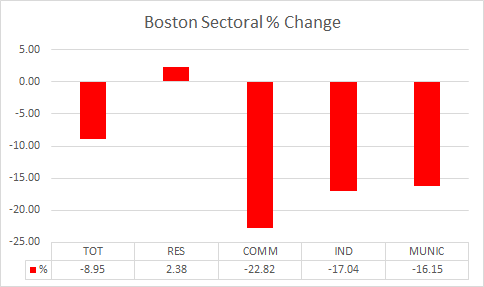


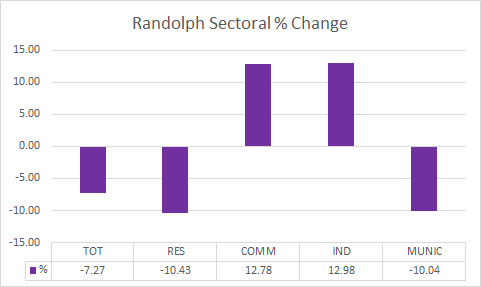


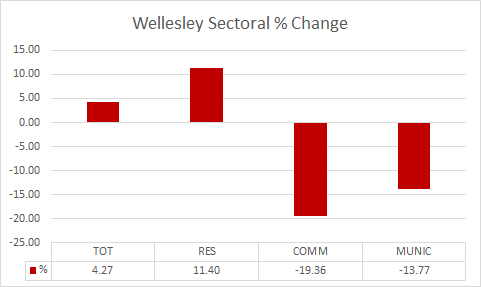












# **GIS Map**

