Where Did Our Riders Go?

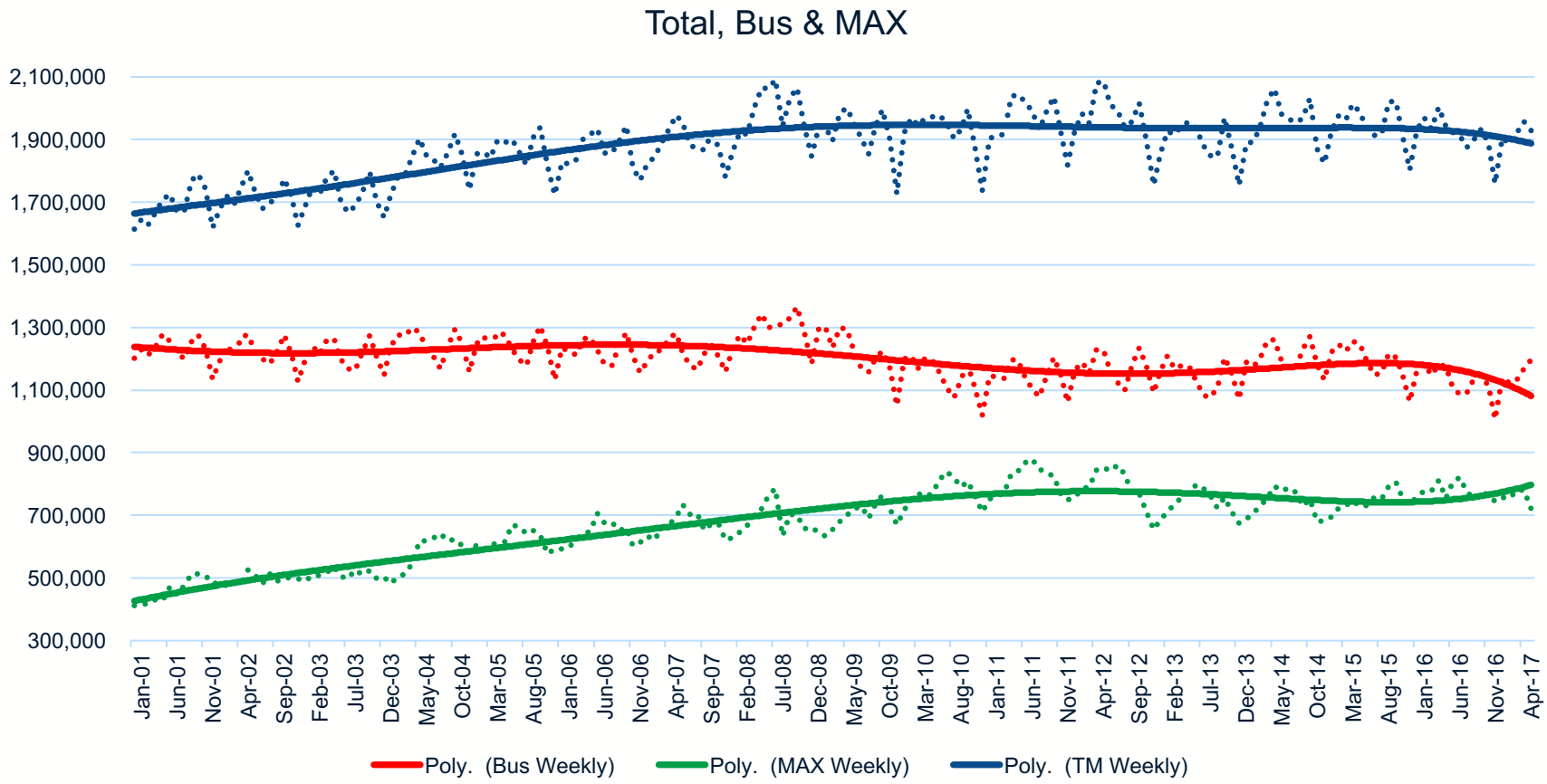
TriMet Ridership Analysis

Rail-Volution

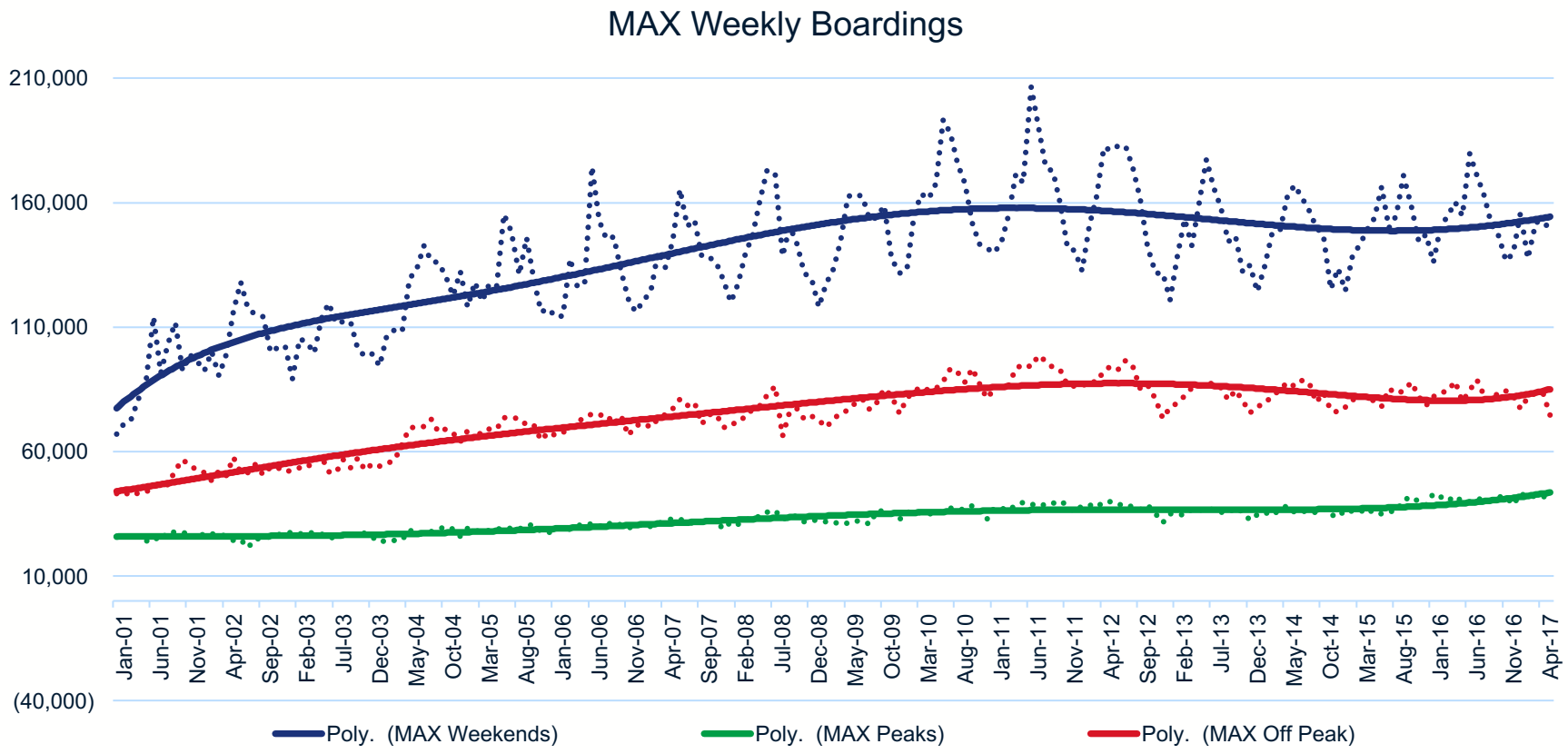
September 20, 2017

Tom Mills, Sr. Planner
TriMet

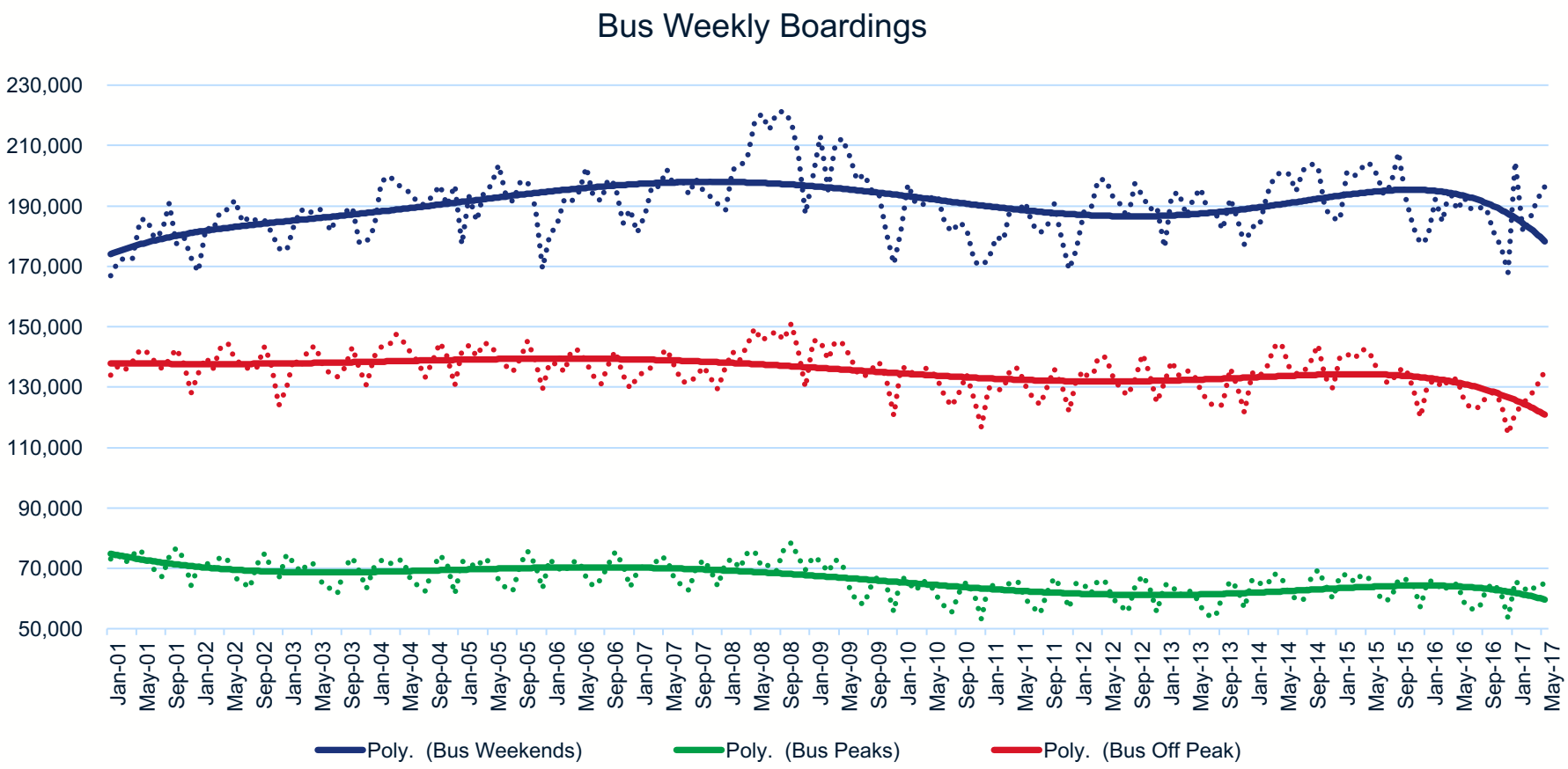
Total Ridership



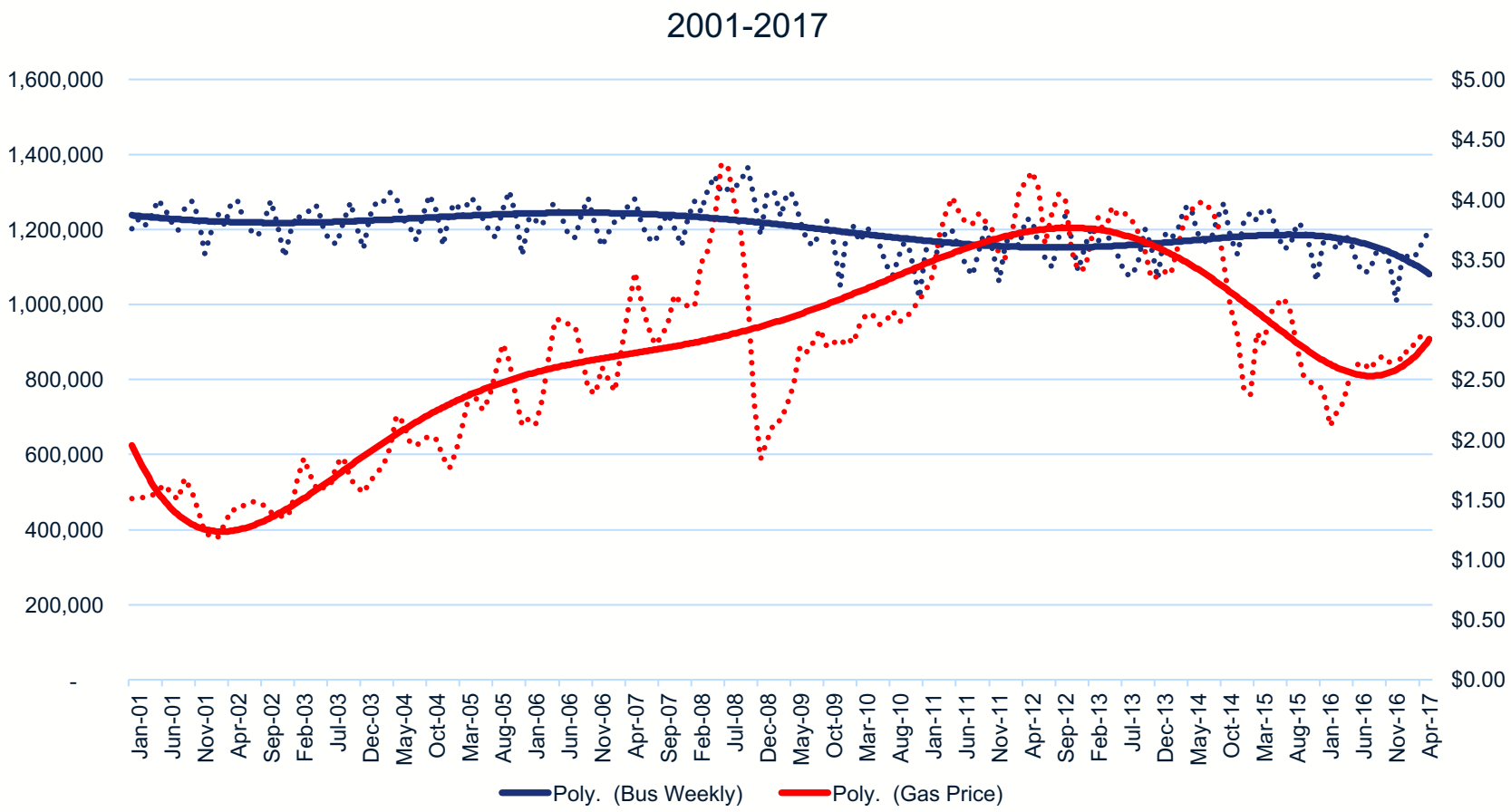
MAX Ridership



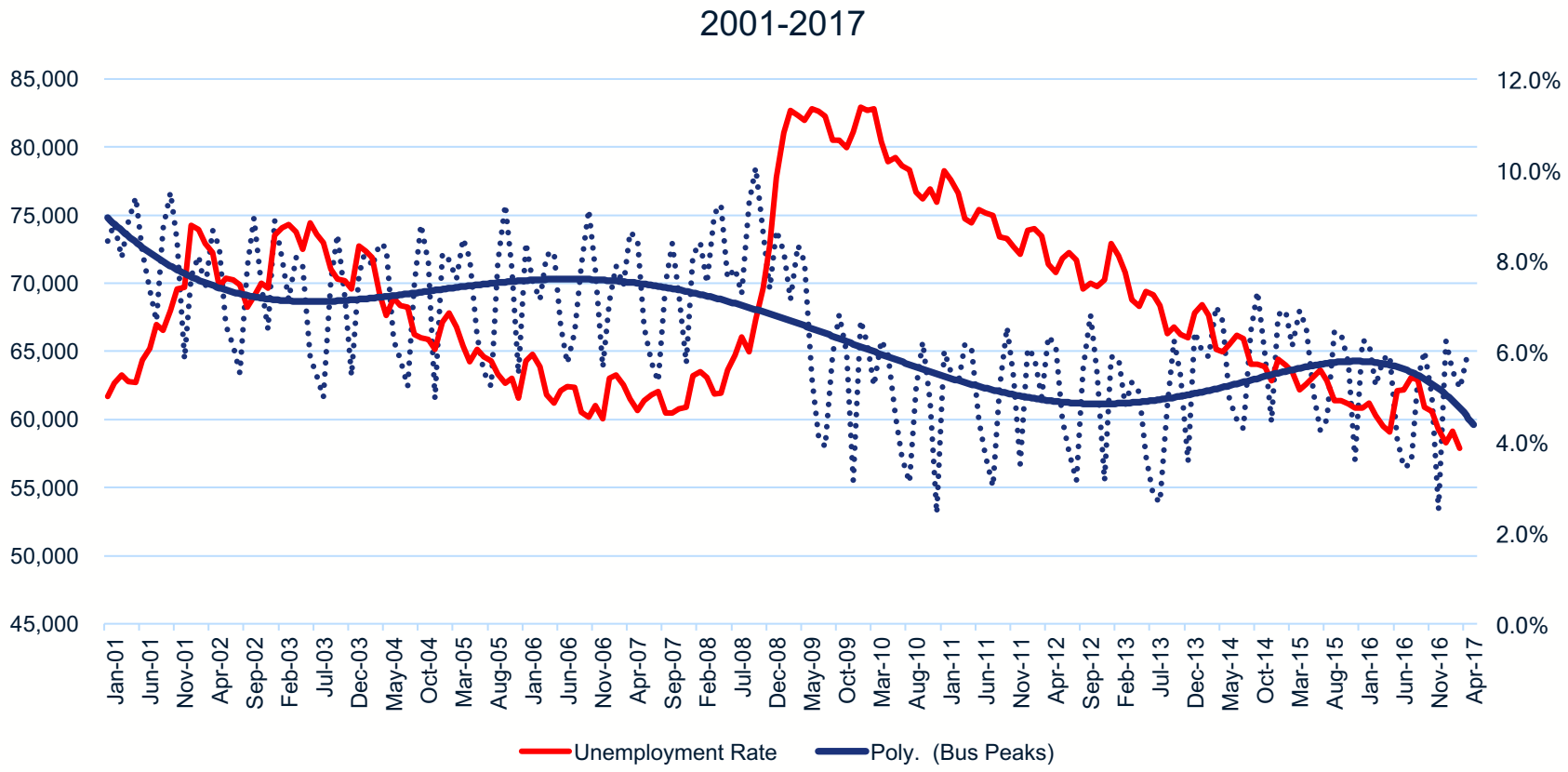
Bus Ridership



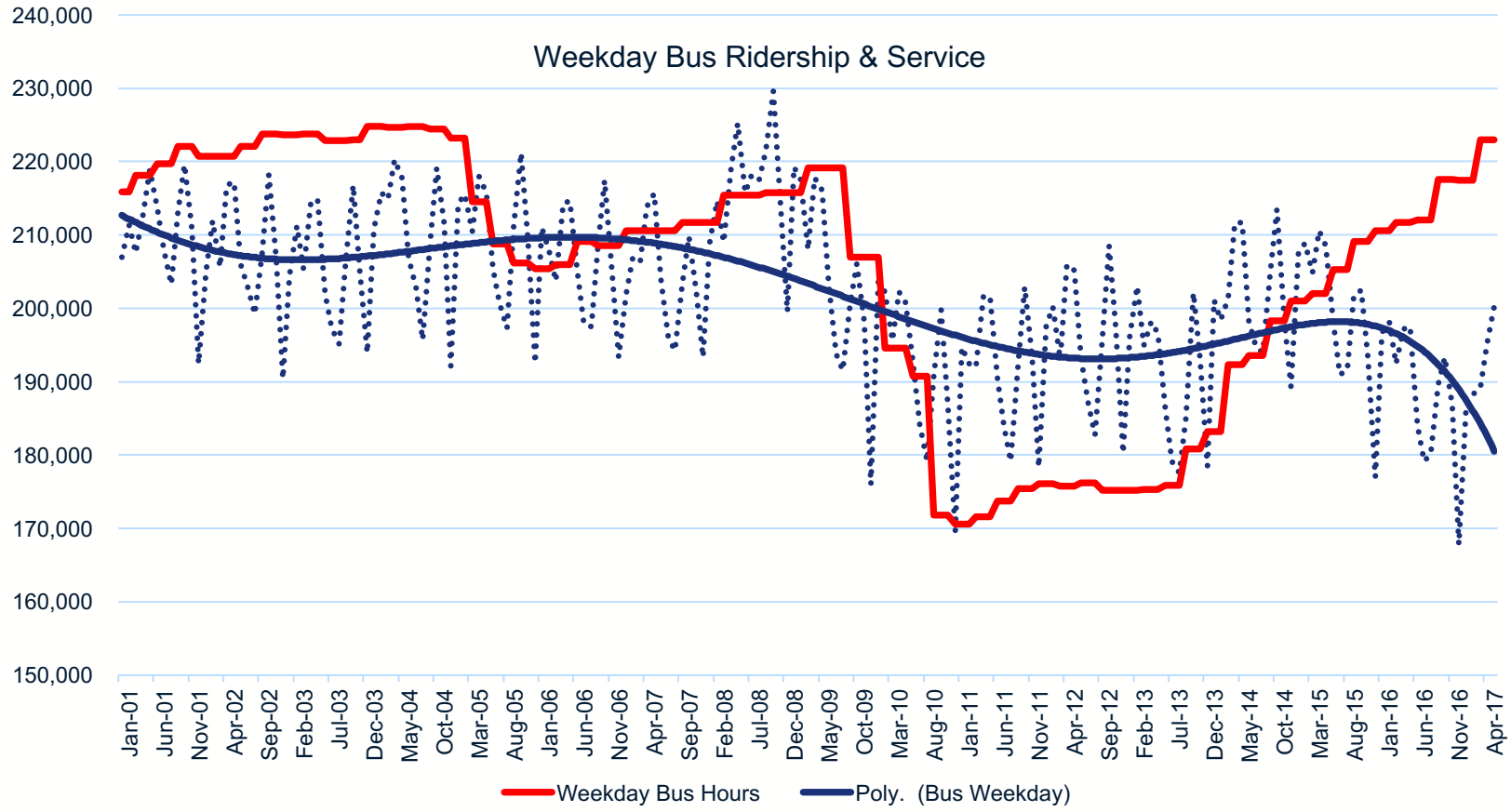
Gas Prices & Weekly Bus



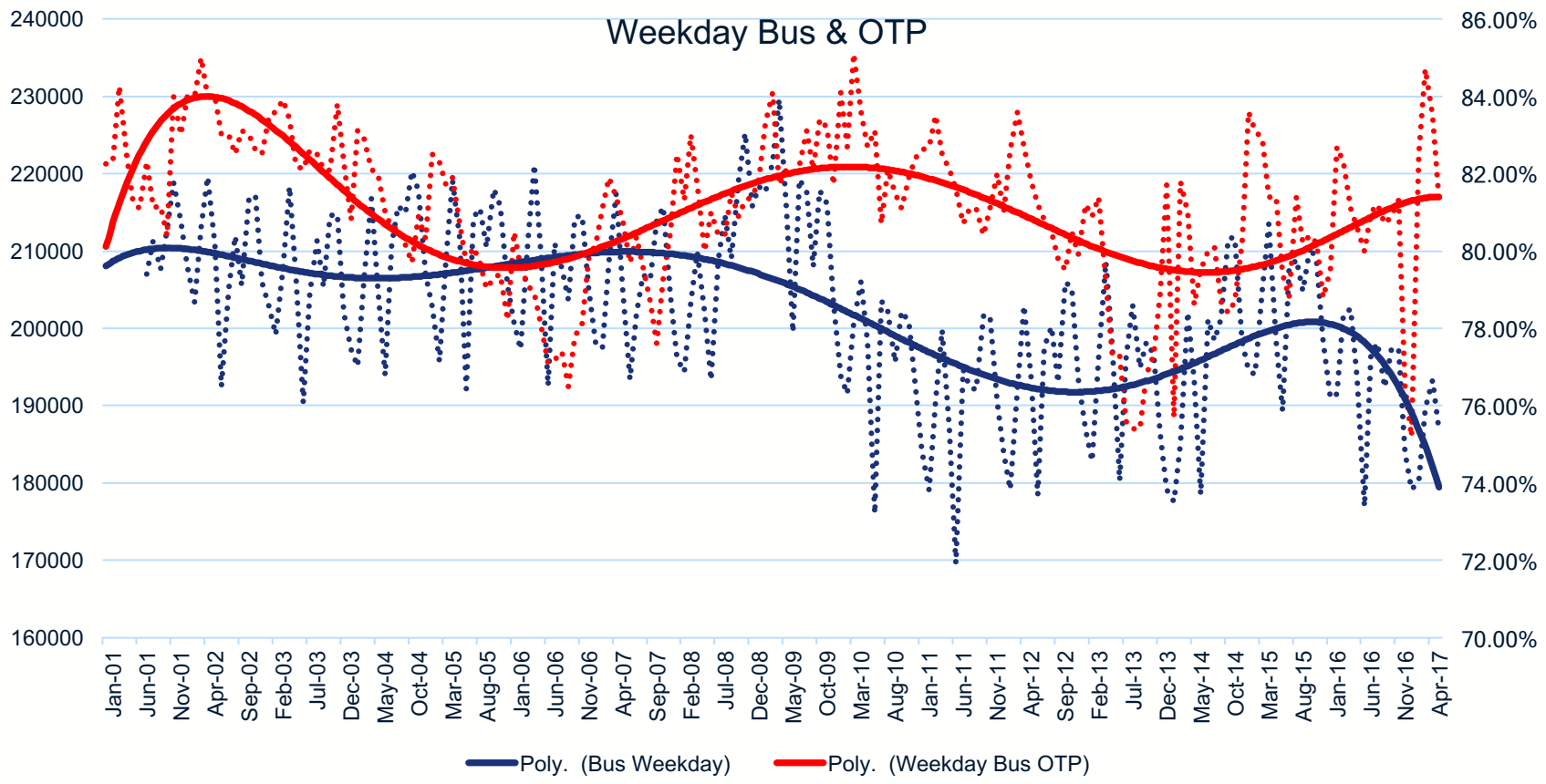
Bus Peaks and Unemployment



Bus Ridership & Bus Hours



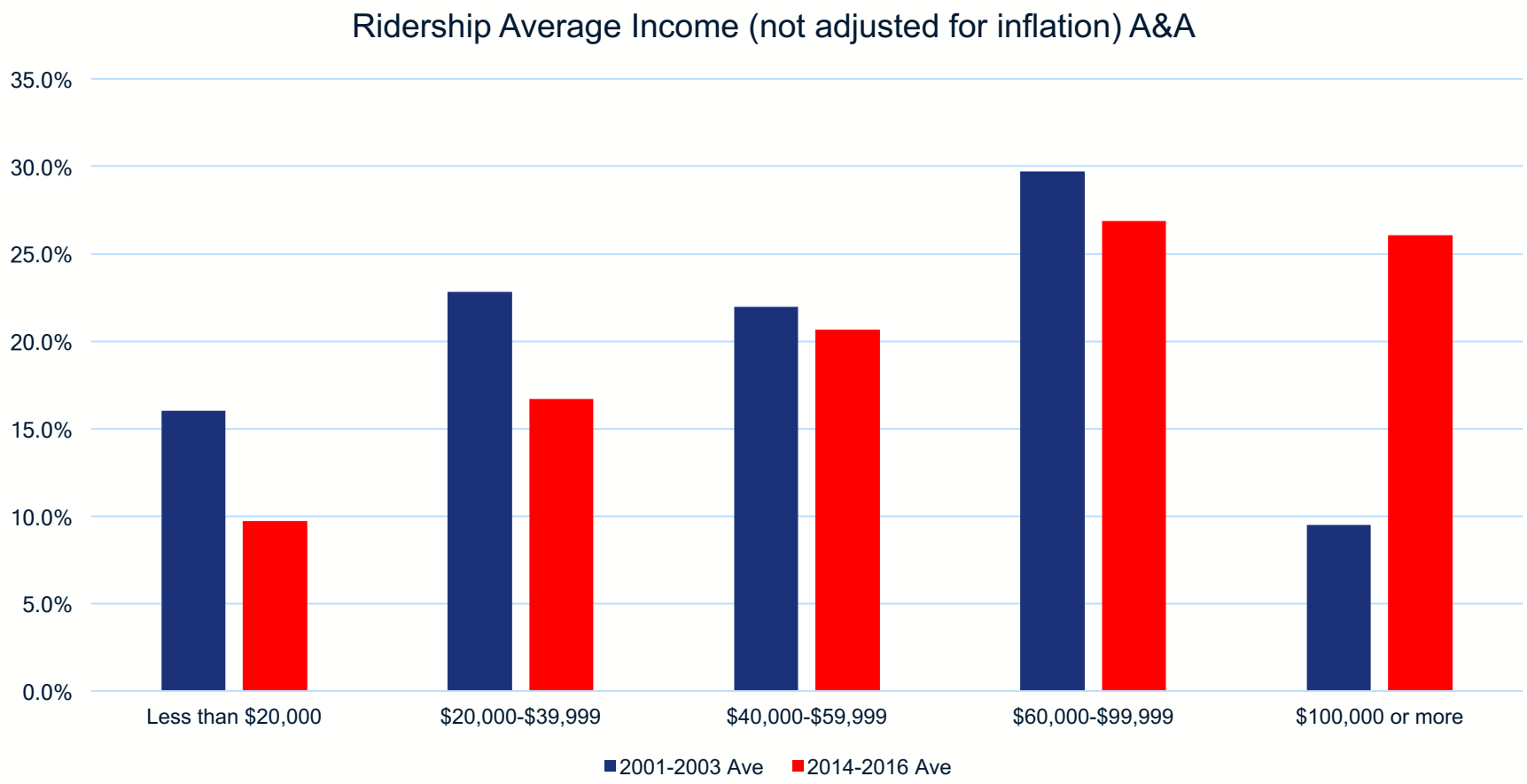
Bus and OTP 6mo Lag



Service Quality "Index"

Route	Ridership Spring Boarding Ride Change '14-'16	Reliability Spring OTP '14-'16	Pass ups Spring Average Over Capacity '14-'16	Trip Time Spring Average Increase in Run Time '14-'16
78-Beaverton/Lake Oswego	-14%	80%	2%	1%
75-Lombard/39th (Cesar Chavez)	-11%	81%	3%	1%
44-Capitol Hwy/Mocks Crest	-10%	88%	13%	1%
52-Farmington/185th	-10%	82%	3%	4%
76-Beaverton/Tualatin	-10%	87%	1%	1%
33-McLoughlin	-8%	76%	4%	
56-Scholls Ferry Rd	-8%	79%	7%	2%
72-Killingsworth/82nd	-8%	80%	8%	2%
14-Hawthorne	-8%	83%	6%	-1%
70-12th Ave	-8%	86%	2%	7%
71-60th Ave/122nd Ave	-8%	83%	3%	5%
17-Holgate/NW 21st	-7%	80%	12%	4%
15-Belmont/NW 23rd	-7%	81%	7%	11%
35-Macadam/Greeley	-7%	83%	9%	0%
4-Division/Fessenden	-7%	84%	20%	3%
62-Murray Blvd	-7%	86%	0%	4%
19-Woodstock/Glisan	-7%	80%	6%	6%
77-Broadway/Halsey	-6%	74%	3%	2%
21-Sandy Blvd/223rd	-5%	88%	0%	2%
9-Powell/Broadway	-4%	80%	9%	9%
20-Burnside/Stark	-4%	80%	9%	3%

Ridership Income



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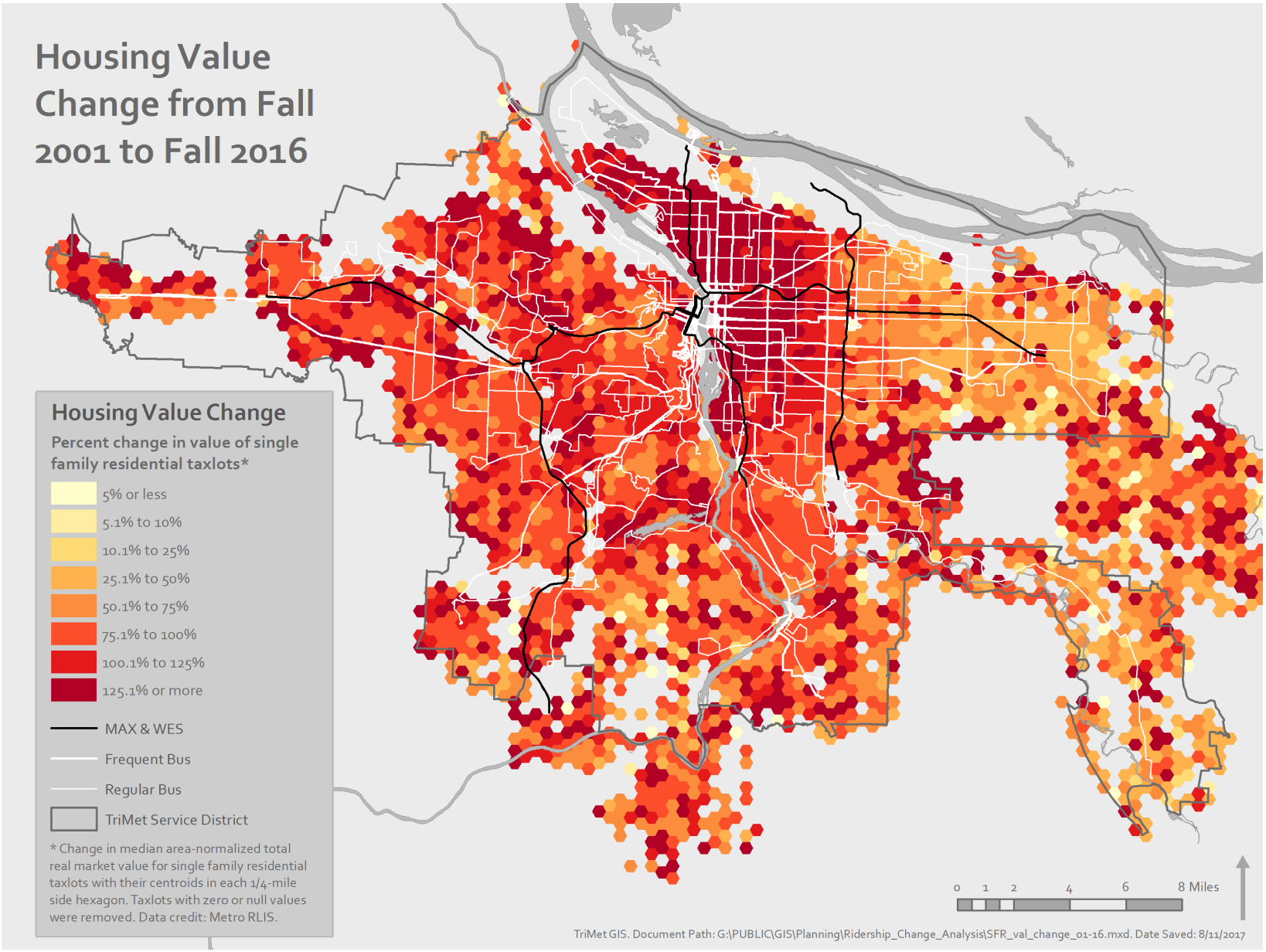
Housing Value Change from Fall 2001 to Fall 2016



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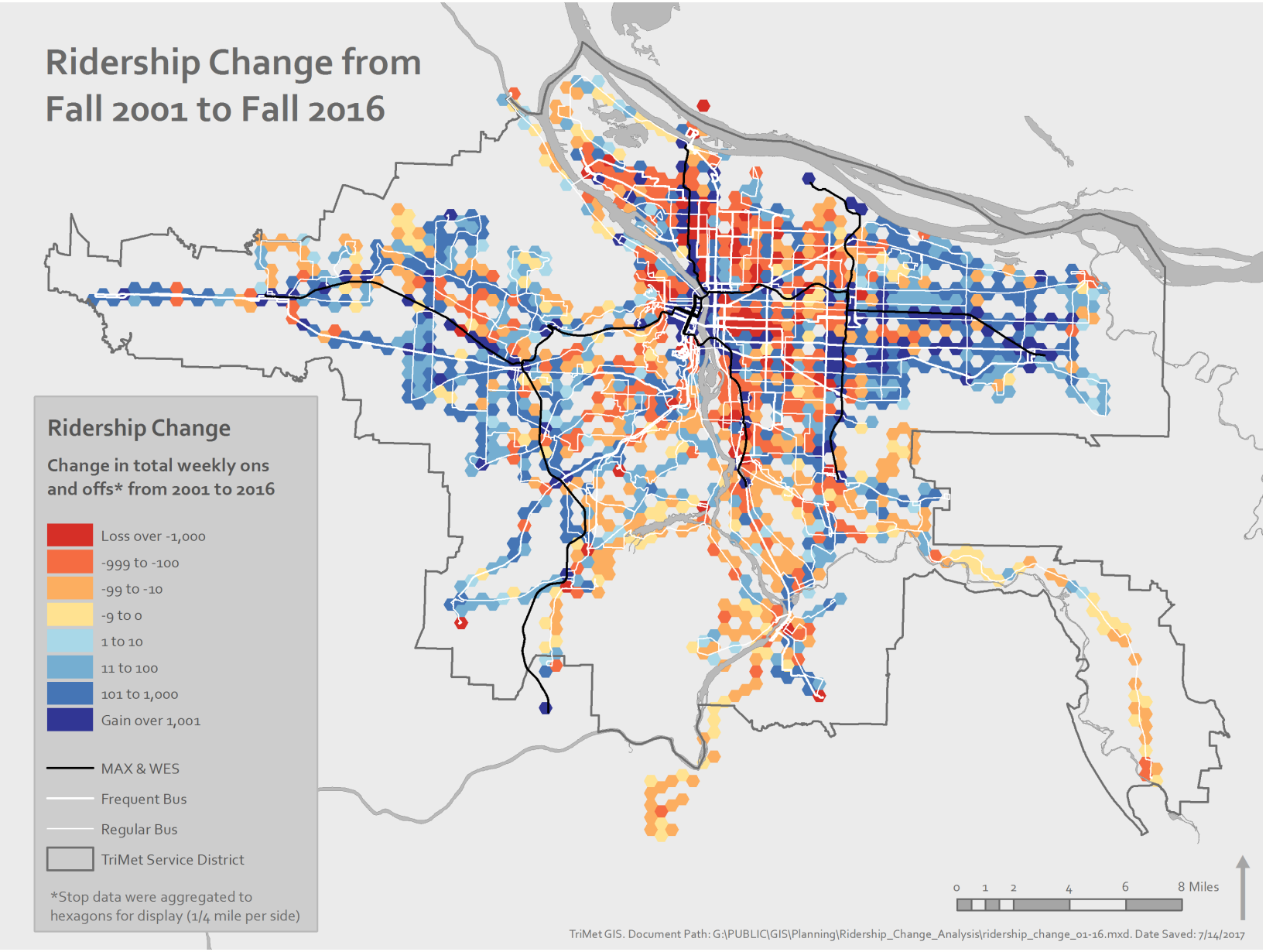
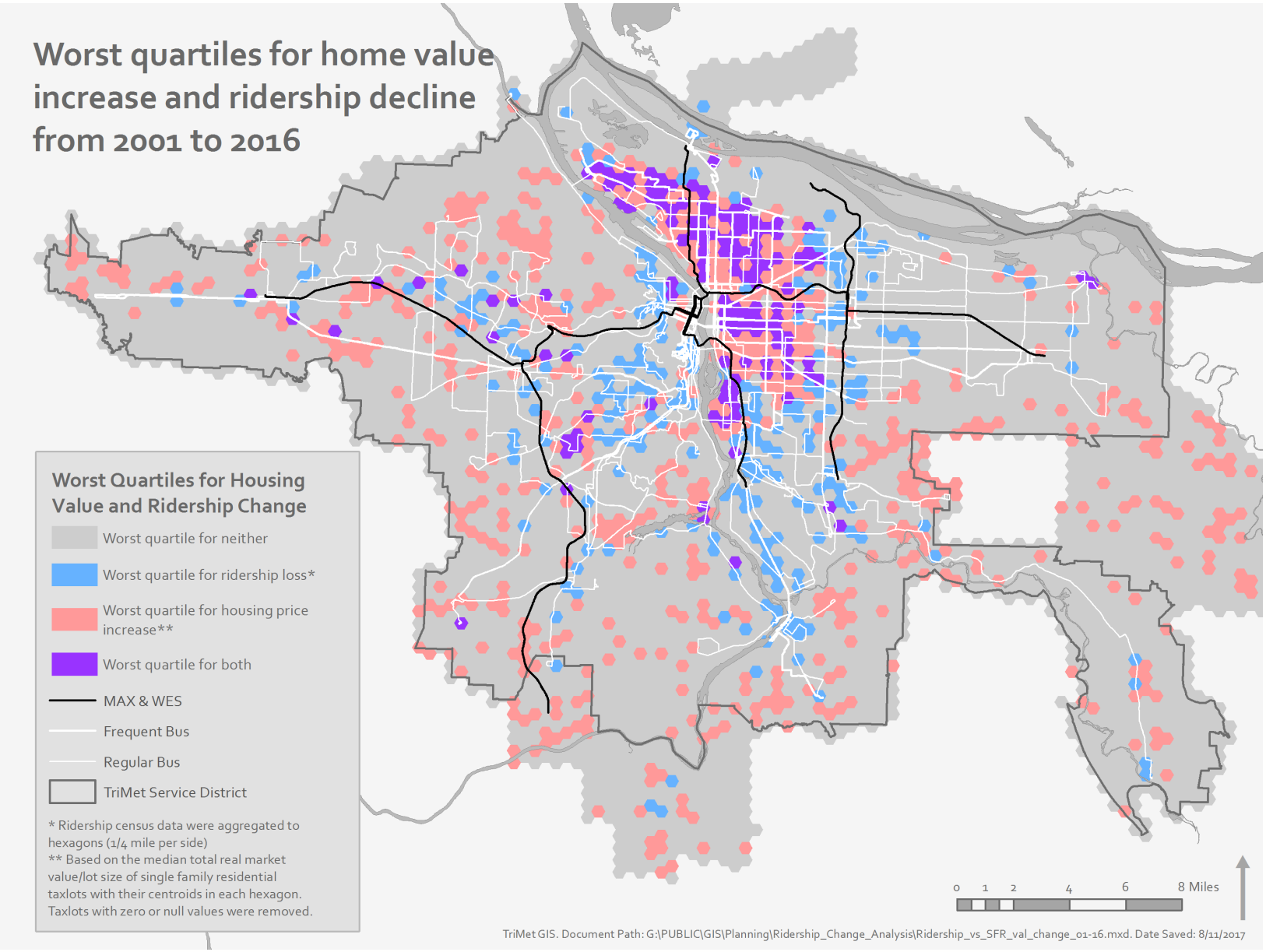

Ridership Change from
Fall 2001 to Fall 2016
Ridership Change
Change in total weekly ons and offs* from 2001 to 2016
Loss over -1,000
-999 to -100
-99 to -10
-9 to 0
1 to 10
11 to 100
101 to 1,000
Gain over 1,001
MAX & WES
Frequent Bus
Regular Bus
TriMet Service District
*Stop data were aggregated to hexagons for display (1/4 mile per side)
0 1 2 4 6 8 Miles
TriMet GIS. Document Path: G:\PUBLIC\GIS\Planning\Ridership_Change_Analysis\ridership_change_01-16.mxd. Date Saved: 7/14/2017

TRIMET

Worst quartiles for home value increase and ridership decline from 2001 to 2016



Interim Conclusions

- Many factors at play & no single reason
- Demography and geography may be biggest factors
- Strategies will include
  - Adding service in suburbs
  - Speeding travel/improving OTP
  - Improving frequencies
  - Marketing, technology & incentives