



Disaggregated Demand Model December 13, 2016





What Does The Model Do?



Typical Water-Flow In Austin's Water System





December 13, 2016





Analysis Timeline





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DTI polygons
Impact fee boundary
Austin full purpose jurisdiction
Austin limited purpose jurisdiction
Wholesale service areas

12/13/2016



How Does The Model Work?



Served Population Distribution 2010



2010 Served Population





Employment Distribution 2010











Water Use Factor Development Eg: DTI polygon 89



Commercial Multi-Family Residential Single Family Residential

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Water Use Factor (WUF) Calculation





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Served Population Projections



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Employment Projections for 2040 and 2115





Preliminary Results From the Model



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Base Year Consumption Sectors





Base Year Consumption Subsectors







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Indoor vs. Outdoor Consumption



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TATER

Base Year Single Family Daily Household Consumption



DTI_POLYGON



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Base Year Single Family Daily Household Consumption



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IATER

Base Year Multi-Family Daily Household Consumption



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AJATER

Base Year Mutli-Family Daily Household Consumption





Base Year Wholesale Annual Consumption



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JATER



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Austin

ATER

Base Year Commercial Annual Consumption



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Base Year Commercial Annual Consumption









