King County Strategic Climate Action Plan (SCAP) and WTD’s Efforts Associated with the SCAP

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Context: the King County SCAP is one of many initiatives and plans that inform WTD’s work.
King County Strategic Climate Action Plan

- November 2015: **Unanimously adopted**
- **5-year blueprint** for County climate action

1. Reduce countywide carbon pollution by **80% by 2050**

2. Prepare our region for the impacts of a changing climate by **strengthening community resiliency**
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Section One: Reducing GHG Emissions

- **Goal Area 1**: Transportation & Land Use
- **Goal Area 2**: Buildings & Facilities Energy
- **Goal Area 3**: Green Building
- **Goal Area 4**: Consumption & Materials Management
- **Goal Area 5**: Forests and Agriculture

Section Two: Preparing for Climate Change Impacts

- Program-specific impacts, ongoing responses, priority actions and long term direction for twelve focus areas
What is the K4C?

- Voluntary but formal (Interlocal Agreement) partnership between 13 cities and King County
- Commitments parallel the SCAP
- Partnering on climate change related outreach, coordination, solutions and funding/resources
- Focus areas include green building, renewable energy, climate messaging, and sustainable transportation
Eight MWPAAC members are also K4C members
Improved Planning Process:

- Highlights and **integrates work of the County’s climate related partnerships**, such as the King County Cities-Climate Collaboration (K4C)
- **Developed with stronger community engagement**
- **Developed by interdepartmental teams**, which started with the big picture
- **Clearly links actions to outcomes** in reducing GHG emissions and achieving climate goals
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How is WTD responding?

1. Reduce countywide carbon pollution by 80% by 2050

2. Prepare our region for the impacts of a changing climate by strengthening community resiliency
Aiming for Carbon Neutral Operations by 2025

WTD Carbon Off-Sets and Emissions

- Carbon Footprint
- Carbon Emissions
- Offset via Biogas Sales
- Sequestered via Biosolids Applied

Metric tons of CO$_2$ eq per year

10,000
20,000
30,000
40,000
50,000
60,000

2015
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Reducing Energy Use 5% by 2020

Lighting upgrades, system maintenance and optimization
Reducing Fleet Fuel Use 10% by 2020

Loop trucks
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Producing Renewable Fuel Sources

WTD use of bio-methane: co-generation at West Point
Preparing For Climate Change –
helping the region cope with drought

Recycled water
Preparing For Climate Change –
climatic studies and evaluation of facility vulnerabilities

Precipitation study
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Future Challenges...

• Making future facilities solar ready
• Meeting stringent energy codes
• Conserving even more energy
• Construction and demolition waste recycling

Conclusion:
WTD is reducing regional climate impacts and adding resiliency to our wastewater system
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Questions?