PURPOSE OF THE PROPOSED TRANSITION

Our community needs a stormwater program that reduces frequent flood risks, is fair for all rate payers, adequately maintains & improves our infrastructure, and enhances the quality of water in our streams & rivers.

WHAT YOU CAN DO

- Review the displays
- Ask questions
- Share your opinions
- Fill out a comment sheet
- Select your rate preference
Our core stormwater management goals are:

- Minimize flooding risks
- Protect property, infrastructure, and the environment
- Sustainably manage our stormwater infrastructure now and into the future
- Enhance our community’s safety and health
- Reduce pollution in our creeks and rivers

With your help & support we:

- Maintain and operate a complex drainage system
- Rehabilitate and improve our drainage system to reduce flooding issues
- Comply with all State and Federal stormwater regulatory requirements
- Implement green solutions and best stormwater management practices

It takes...

- Community awareness and support
- Cost-effective spending and dedicated funding
- Fair and effective rates for all customers
- Holistic planning, program implementation, and review

A balanced and effective way to improve & maintain our stormwater infrastructure

What is the Stormwater Program? It’s a utility, like electricity, that provides critical services
A balanced and effective way to improve &
 maintain our stormwater infrastructure

OUR CURRENT SITUATION
The Stormwater rate hasn’t changed since 2012

WHAT ARE OUR COMMUNITY’S NEEDS?

- Reduce frequent flooding risks
- Improve water quality in our waterways
- Enhance and maintain drainage infrastructure in a 160 square mile service area

HOW DO WE FUND THESE NEEDS?

- The program generates $3.4 Million per year from stormwater charges
- This isn’t enough to meet the community’s needs

WHO PAYS FOR STORMWATER?

- Customers with an electric or water account pay $4.50 per month
- The rate has not changed since 2012

WHAT’S THE CHALLENGE?

- The rate is inadequate
- The rate is not proportional

STORMWATER REVENUE

- 93% Residential
- 7% Non-Residential

Properties of different sizes pay the same fee
THE LONG-TERM FINANCIAL FORECAST
The stormwater rate hasn’t change since 2012

2019 STORMWATER MANAGEMENT COSTS

- O&M: 44%
- Debt Service: 22%
- Capital Outlay: 34%

- The total costs for 2019 are $5 Million
- Over 77% of total costs go toward building and maintaining our infrastructure

WHAT DRIVES OUR FUTURE COSTS?
The Master Plan identified significant need to build and maintain infrastructure projects to resolve long-standing problems

OUR 2019–2027 FINANCIAL FORECAST

A balanced and effective way to improve & maintain our stormwater infrastructure
A balanced and effective way to improve & maintain our stormwater infrastructure

IDENTIFYING COMMUNITY NEEDS
The Master Plan highlights areas in need of critical attention

THE STORMWATER MASTER PLAN IDENTIFIED AND PRIORITIZED OVER 80 PROBLEM LOCATIONS

Watersheds with Known Flooding Issues

7-YEAR CAPITAL PLAN INCLUDES:

- $24 Million for project engineering and construction
- $2 Million for Future Stormwater Asset Management Investment

OPERATIONS AND MAINTENANCE (O&M)

PROBLEM: Inadequate maintenance and funding
SOLUTION: Increase funding for enhanced and consistent annual maintenance activities

EXAMPLE PROJECT: ARMOURDALE WATERSHED

PROBLEM: Roadway flooding
SOLUTION: Increase the pipe and inlet capacity, and establish a continuous pipe network
PLANNING COSTS: $16,242,400
WHAT IS IMPERVIOUS AREA?

- Impervious area refers to all types of hard surfaces including pavements, buildings, patios, driveways, compacted soil, and even gravel
- Hardscaped areas restrict stormwater from absorbing into the ground, leading to increased runoff and pollution

WHAT IS A STORMWATER UNIT (SWU)?

- A basic unit for defining the monthly stormwater rate
- 1 SWU in the Unified Government’s proposed fee structure = 500 ft² of impervious area

HOW ARE SWUs DETERMINED FOR MY PARCEL?

- Parcel information, aerial imagery, and a Geographic Information System (GIS) software tool are used to determine Impervious Area

THE BENEFITS OF TRANSITIONING TO AN IMPERVIOUS AREA BASED FEE:

- Aligns stormwater charges with the level of stormwater runoff a property produces
- Properties pay based on the amount of impervious area
- May encourage better stormwater runoff management
A balanced and effective way to improve & maintain our stormwater infrastructure

PROPOSED RATE & EXAMPLES
The Stormwater rate hasn’t changed since 2012

OPTION 1: INDIVIDUALLY CALCULATED
☐ The rate is based on an individual parcel’s amount of hard surface.

<table>
<thead>
<tr>
<th></th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>2027</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate per 500 ft²</td>
<td>$0.67</td>
<td>$0.88</td>
<td>$1.04</td>
<td>$1.22</td>
<td>$1.22</td>
<td>$1.28</td>
<td>$1.35</td>
</tr>
<tr>
<td>Minimum Charge</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.50</td>
</tr>
<tr>
<td>% of Parcels Not Impacted</td>
<td>70%</td>
<td>58%</td>
<td>43%</td>
<td>28%</td>
<td>28%</td>
<td>28%</td>
<td>28%</td>
</tr>
</tbody>
</table>

Example Calculation: Large Home

<table>
<thead>
<tr>
<th>Total Lot Size (Gross Area):</th>
<th>7,200 ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious Area:</td>
<td>5,105 ft²</td>
</tr>
<tr>
<td>Parcel SWU:</td>
<td>5,105 ft² / 500 ft² = 10.21 SWUs</td>
</tr>
<tr>
<td>Monthly Charge:</td>
<td>10.21 SWUs x $0.67 = $6.84</td>
</tr>
</tbody>
</table>

Example Calculation: Commercial Property

<table>
<thead>
<tr>
<th>Total Lot Size (Gross Area):</th>
<th>35,250 ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impervious Area:</td>
<td>20,250 ft²</td>
</tr>
<tr>
<td>Parcel SWU:</td>
<td>20,250 ft² / 500 ft² = 40.50 SWUs</td>
</tr>
<tr>
<td>Monthly Charge:</td>
<td>40.50 SWUs x $0.67 = $27.14</td>
</tr>
</tbody>
</table>

*Based on June 2019 proposed rate structure

2021 Rate*
**OPTION 2: A TIERED APPROACH**

- We've considered almost 20 different rate structure iterations
- A tiered approach helps mitigate the impact on customers with large amounts of impervious area

<table>
<thead>
<tr>
<th>Tier</th>
<th>Range in ft²</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>2027</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 - 2,000</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$5.09</td>
<td>$5.89</td>
<td>$5.92</td>
<td>$6.20</td>
<td>$6.57</td>
</tr>
<tr>
<td>2</td>
<td>2,001 - 4,000</td>
<td>$4.84</td>
<td>$4.84</td>
<td>$5.48</td>
<td>$6.34</td>
<td>$6.37</td>
<td>$6.67</td>
<td>$7.07</td>
</tr>
<tr>
<td>3</td>
<td>4,001 - 6,000</td>
<td>$6.15</td>
<td>$8.21</td>
<td>$9.58</td>
<td>$11.08</td>
<td>$11.14</td>
<td>$11.66</td>
<td>$12.36</td>
</tr>
<tr>
<td>4</td>
<td>6,001 - 10,000</td>
<td>$9.59</td>
<td>$12.82</td>
<td>$14.94</td>
<td>$17.29</td>
<td>$17.38</td>
<td>$18.20</td>
<td>$19.29</td>
</tr>
<tr>
<td>5</td>
<td>10,001 - 20,000</td>
<td>$17.61</td>
<td>$23.52</td>
<td>$27.43</td>
<td>$31.74</td>
<td>$31.90</td>
<td>$33.41</td>
<td>$35.41</td>
</tr>
<tr>
<td>6</td>
<td>20,001 - 30,000</td>
<td>$31.92</td>
<td>$42.65</td>
<td>$49.73</td>
<td>$57.54</td>
<td>$57.84</td>
<td>$60.57</td>
<td>$64.19</td>
</tr>
<tr>
<td>7</td>
<td>30,001 - 60,000</td>
<td>$53.29</td>
<td>$71.19</td>
<td>$83.01</td>
<td>$96.06</td>
<td>$96.55</td>
<td>$101.12</td>
<td>$107.15</td>
</tr>
<tr>
<td>8</td>
<td>60,001 - 100,000</td>
<td>$99.53</td>
<td>$132.97</td>
<td>$155.05</td>
<td>$179.42</td>
<td>$180.33</td>
<td>$188.86</td>
<td>$200.13</td>
</tr>
<tr>
<td>9</td>
<td>100,001 - 250,000</td>
<td>$189.81</td>
<td>$253.57</td>
<td>$295.67</td>
<td>$342.14</td>
<td>$343.88</td>
<td>$360.15</td>
<td>$381.64</td>
</tr>
<tr>
<td>10</td>
<td>250,001 - 500,000</td>
<td>$436.30</td>
<td>$582.88</td>
<td>$679.65</td>
<td>$786.47</td>
<td>$790.47</td>
<td>$827.86</td>
<td>$877.27</td>
</tr>
<tr>
<td>11</td>
<td>500,001 - 1,000,000</td>
<td>$864.01</td>
<td>$1,154.27</td>
<td>$1,345.90</td>
<td>$1,557.43</td>
<td>$1,565.37</td>
<td>$1,639.40</td>
<td>$1,737.24</td>
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<tr>
<td>12</td>
<td>1,000,001 - 5,500,000</td>
<td>$1,844.67</td>
<td>$2,464.39</td>
<td>$2,873.52</td>
<td>$3,325.15</td>
<td>$3,342.09</td>
<td>$3,500.16</td>
<td>$3,709.04</td>
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<tr>
<td>13</td>
<td>5,500,001 +</td>
<td>$5,803.83</td>
<td>$7,753.61</td>
<td>$9,040.86</td>
<td>$10,461.82</td>
<td>$10,515.10</td>
<td>$11,012.44</td>
<td>$11,669.63</td>
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</tbody>
</table>

*Due to a correction in the calculation of tiered rates for 2021 through 2023 on October 30, 2019, this table reflects lower proposed rates for tiers 3 through 13, relative to the schedule of rates presented previously for those tiers.*
**COMPARING OPTIONS**
*Balanced and effective options for the long-term*

### SINGLE-FAMILY RESIDENCE

<table>
<thead>
<tr>
<th>Impervious Area</th>
<th>Current Bill</th>
<th>Option 1*</th>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,360 ft²</td>
<td>$4.50</td>
<td>$4.50</td>
<td>$4.84</td>
</tr>
<tr>
<td>4,000 ft²</td>
<td>$4.50</td>
<td>$5.36</td>
<td>$4.84</td>
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</tbody>
</table>

### MULTI-FAMILY APARTMENTS

<table>
<thead>
<tr>
<th>Impervious Area</th>
<th>Current Bill</th>
<th>Option 1*</th>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,400 ft²</td>
<td>$4.50</td>
<td>$7.24</td>
<td>$6.15</td>
</tr>
<tr>
<td>10,000 ft²</td>
<td>$4.50</td>
<td>$13.40</td>
<td>$9.59</td>
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</table>

### INDUSTRIAL COMPLEX

<table>
<thead>
<tr>
<th>Impervious Area</th>
<th>Current Bill</th>
<th>Option 1*</th>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>150,700 ft²</td>
<td>$4.50</td>
<td>$201.94</td>
<td>$189.81</td>
</tr>
<tr>
<td>248,000 ft²</td>
<td>$4.50</td>
<td>$332.32</td>
<td>$189.81</td>
</tr>
</tbody>
</table>

*Based on June 2019 proposed rate structure

*A balanced and effective way to improve & maintain our stormwater infrastructure*
### WHAT PROJECTS WILL THIS FUND?

Proposed schedule for capital improvement projects

<table>
<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>2027</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>#1 Kansas Levees Betterment</td>
<td>$820,000</td>
<td>$5,000,000</td>
<td>G</td>
<td>$5,178,900</td>
<td>$679,000</td>
<td>$618,900</td>
<td>$1,232,900</td>
<td>$1,288,800</td>
<td>$1,649,100</td>
</tr>
<tr>
<td></td>
<td>#2 Turkey Creek Wing Wall</td>
<td>$9,600,000</td>
<td>$9,600,000</td>
<td>G</td>
<td>$9,943,500</td>
<td>$1,656,100</td>
<td>$2,252,300</td>
<td>$3,005,800</td>
<td>$6,692,700</td>
<td></td>
</tr>
<tr>
<td></td>
<td>#3 West Argentine</td>
<td>$530,600</td>
<td>$1,623,600</td>
<td>G</td>
<td>$2,046,200</td>
<td>$1,302,100</td>
<td>$2,868,200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#4 Stormwater Enhancements</td>
<td>$500,000</td>
<td>$500,000</td>
<td>G</td>
<td>$1,055,500</td>
<td>$1,801,900</td>
<td>$2,396,500</td>
<td>$3,988,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#5 Little Turkey Creek</td>
<td>$611,100</td>
<td>$557,000</td>
<td>C</td>
<td>$61,900</td>
<td>$618,900</td>
<td>$1,232,900</td>
<td>$1,288,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#6 East Argentine</td>
<td>$1,490,500</td>
<td>$2,027,100</td>
<td>C</td>
<td>$225,200</td>
<td>$3,005,800</td>
<td>$2,705,200</td>
<td>$286,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#7 Muncie Creek at Kansas</td>
<td>$500,000</td>
<td>$500,000</td>
<td>G</td>
<td>$1,055,500</td>
<td>$1,801,900</td>
<td>$2,396,500</td>
<td>$3,988,100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#8 East Jersey Creek</td>
<td>$1,159,900</td>
<td>$1,484,200</td>
<td>C</td>
<td>$128,900</td>
<td>$1,288,800</td>
<td>$1,649,100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#9 Mill Creek at Parallel</td>
<td>$1,302,100</td>
<td>$2,868,200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>#10 Mill Creek &amp; Georgia</td>
<td>$1,567,800</td>
<td>$1,461,500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

S = Capital Spend Notes  
T = Temp Notes  
C = Cash  
G = GO Bonds (refund Temp)
A balanced and effective way to improve & maintain our stormwater infrastructure

CREDIT PROGRAM
- The proposed change includes a credit program for fee reduction. The fee reduction credit program includes:
  - Quality & Quantity reductions
  - Direct Discharge reductions
- Properties taking a proactive approach to reducing stormwater runoff should benefit from their investment.

APPEALS PROGRAM
- Customers who believe their bill, impervious area, or credit reductions are inaccurate may appeal.
- The appeals program will help address issues arising about:
  - Billing information
  - Parcel attributes
  - Impervious area estimates
  - Other special issues or special conditions not addressed in the stormwater charge policy

<table>
<thead>
<tr>
<th>What Do Our Neighbors Do?</th>
<th>2019</th>
<th>Lenexa</th>
<th>Shawnee</th>
<th>Topeka</th>
<th>Lawrence</th>
<th>KCMO</th>
<th>Option 1 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee per 500 sf of hard surface</td>
<td>$1.65</td>
<td>$1.08</td>
<td>$1.05</td>
<td>$0.92</td>
<td>$0.50</td>
<td>$0.67</td>
<td></td>
</tr>
<tr>
<td>Partially funded by taxes?</td>
<td>YES</td>
<td>YES</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>NO</td>
<td></td>
</tr>
</tbody>
</table>
WHAT'S NEXT?
What to expect if the Unified Government’s proposal is adopted

2020 TRANSITION PERIOD
- The Board of County Commissioners adopts the proposal
- Finalize the Stormwater Credit program
- Initiate comprehensive plans for high priority projects
- Develop strategic Asset Management Program

2021 AND BEYOND
- The new rate structure becomes active
- Fund deferred maintenance projects
- Implement comprehensive plans for high-priority projects
- Identify and plan for additional capital projects and maintenance
- Implement Asset Management Program

OPEN HOUSE MEETINGS
- **September 25**, 5:00 - 7:00 PM
  Neighborhood Resource Center, 4953 State Avenue
- **October 9**, 5:00 – 7:00 PM
  Patricia “Diane” Kane Community Center, 3130 N. 122nd
- **October 23**, 5:00 – 7:00 PM
  Joe E. Amayo Community Center, 2810 Metropolitan
- **November 6**, 5:00 – 7:00 PM
  Beatrice L. Lee Community Center, 1310 N. 10th

Download a copy of this presentation & the Stormwater FAQ online at wycokck.org/Stormwater/Rate
ROAD CLOSED