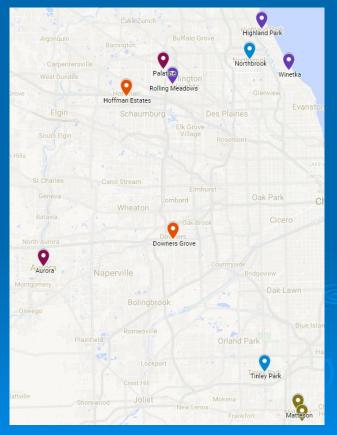
Municipal Stormwater Utility ERU / Impervious Area Method

## Downers Grove, Illinois

Karen Robbins GIS Specialist

# Fee Structure

 $\succ$  Flat Fee Gross Area Impervious Area Residential ➢ ERU Based Tiered Structure Drinking Water Usage > Residential Equivalent Factor (REF) (MN)



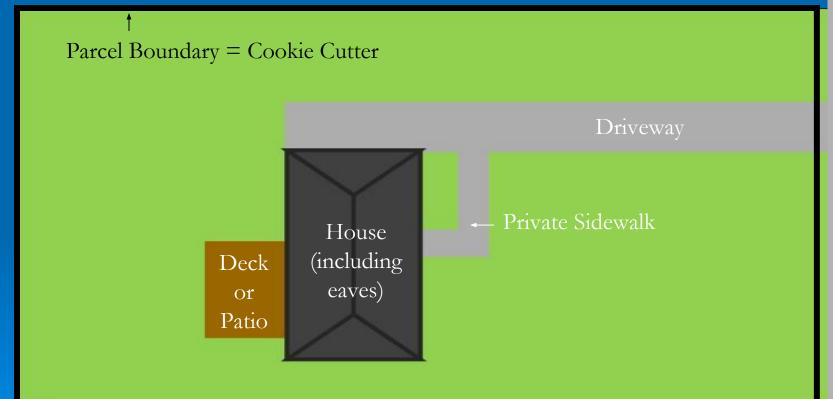
# Rate Base ... ERU

#### Equivalent Runoff Unit / Equivalent Residential Unit

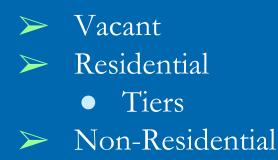
#### Unit of measure for billing

Average Impervious Area of 100 SFR Downers Grove: ERU = 3300

# Impervious Area

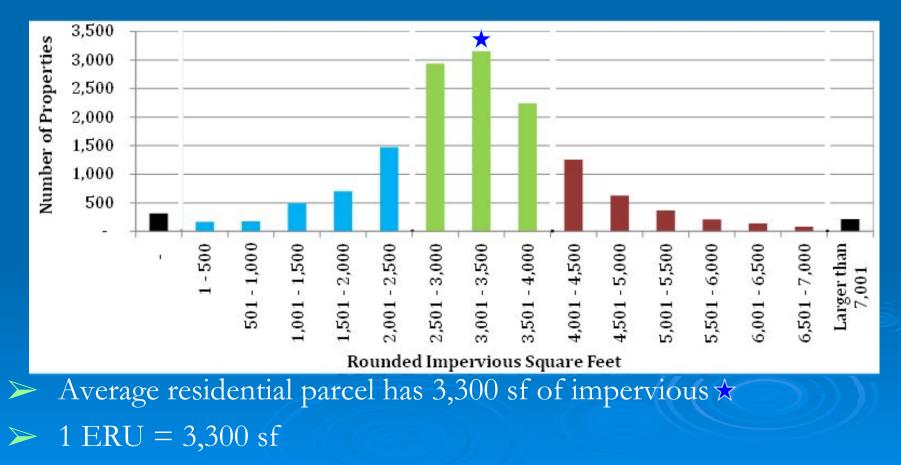


### Rate Structure

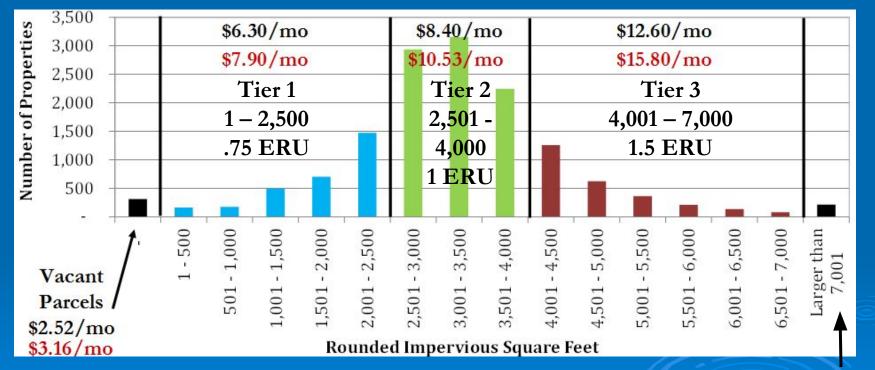


- > Multi-Owner Buildings
- > Condominium Complexes
- > Multiple Units/Tenants on a single-owner parcel

# Residential Distribution



# Residential Rates 2013 / 2017



Treated like Non-Residential parcels due to the large amount of impervious area.



# Non-Residential

#### >Residential parcels with greater than 7,000 sf

These are considered having significant impact and are charged like Non-Residential parcels

>All Non-Residential parcels

Fee is based on the number of ERUs or portion thereof.

## Residential with Significant Impact



M \$68.58 Bi-M \$137.16 A \$822.96 18,090 / 3,300 = 5.48 ... round UP to 6 ERUs

### Non - Residential Examples



46,744 / 3,300 = 14.16 ... round UP to 15 ERUs

> M \$171.45 Bi-M \$342.90 A \$2,057.40

37,511 / 3,300 = 11.37 ... round UP to 12 ERUs

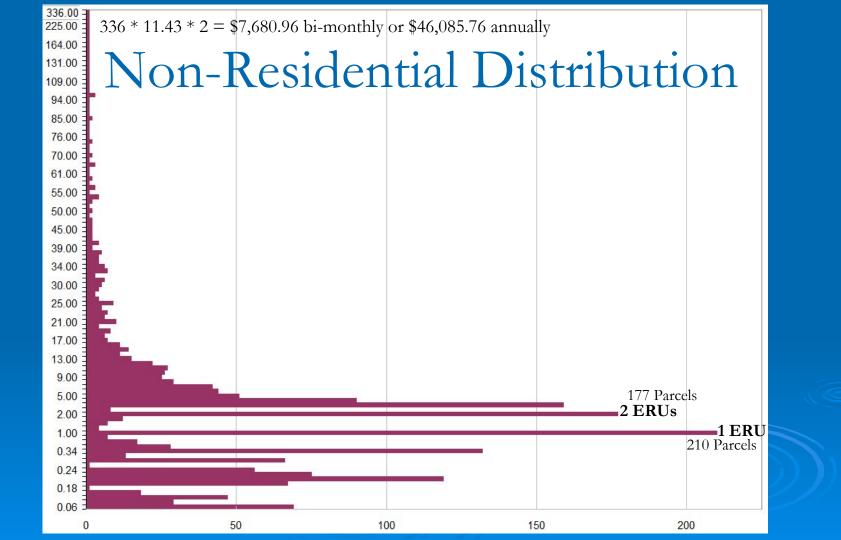
> M \$137.16 Bi-M \$274.32 A \$1,645.92

## Condominium Example



## Large Non - Residential Example





## Village of Downers Grove, IL

1. SINGLE FAMILY RESIDENTIAL parcels are charged based on a tiered system:

Single Family Residential	2017 Monthly Fee	2018 Monthly Fee
Tier 1 (1-2,500 s. f. of impervious area) = .75 ERU	\$7.90	\$8.57
Tier 2 (2,501 - 4,000 s.f. of impervious area) = 1 ERU	\$10.53	\$11.43
Tier 3 (4,001-7,000 s.f. of impervious area) = 1.5 ERU	\$15.80	\$17.15

Table 2: Stormwater utility residential tiers.

2. NON-SINGLE FAMILY RESIDENTIAL parcels and RESIDENTIAL PARCELS with greater than 7,000 s.f. of impervious area are charged based on the actual amount of impervious area, measured in ERUs, rounded to the next whole ERU.

Non-Single Family Residential	2017 Monthly Fee	2018 Monthly Fee
Per ERU (3,300 s.f.)	\$10.53	\$11.43

Table 3: Stormwater utility non-residential tier.

#### 3. VACANT PARCELS are charged .3 ERU.

Vacant (unimproved) Parcels	2017 Monthly Fee	2018 Monthly Fee
0.3 ERU	\$3.16	\$3.43

Table 4: Stormwater utility vacant parcel tier.

# City of Greenville, SC

#### Single-Family Property Annual Fee

Type of Residence	2016	2017
Development Residential - Less than 1,640 square feet	\$40.92	\$41.86
Developed Residential - Greater than 1,640 square feet	\$71.85	\$73.50
Undeveloped Residential	\$40.92	\$41.86

#### Multi-Family Property Annual Base Rate per ERU

Type of Unit	2016	2017	
Developed Commercial / Industrial	\$71.85	\$73.50	
Undeveloped Commercial / Industrial	\$71.85	\$73.50	

\* Equivalent Residential Unit (ERU) - total impervious area of the parcel in square feet / 2,389 sf

# Billing Questions / Issues

≻ Fee Structure?

- Independent Utility Bill?
- > Add to existing Water Bill?
- $\succ$  Add to Tax Bill? Never a discussion @ DG
- $\succ$  Who gets the Bill?

Owner? Tenant? Management Company?

 $\succ$  How to handle ...

Bill by parcel or utility account Multi-Owner Buildings Multiple Units on a single-owner parcel

Vacant Parcels

Condominium Complexes

### Municipal Stormwater Utility Downers Grove, Illinois

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