



Village of Winnetka

Stormwater Utility Feasibility Study



Workshop #2: Rate and Fee Analysis

February 12, 2013



Agenda

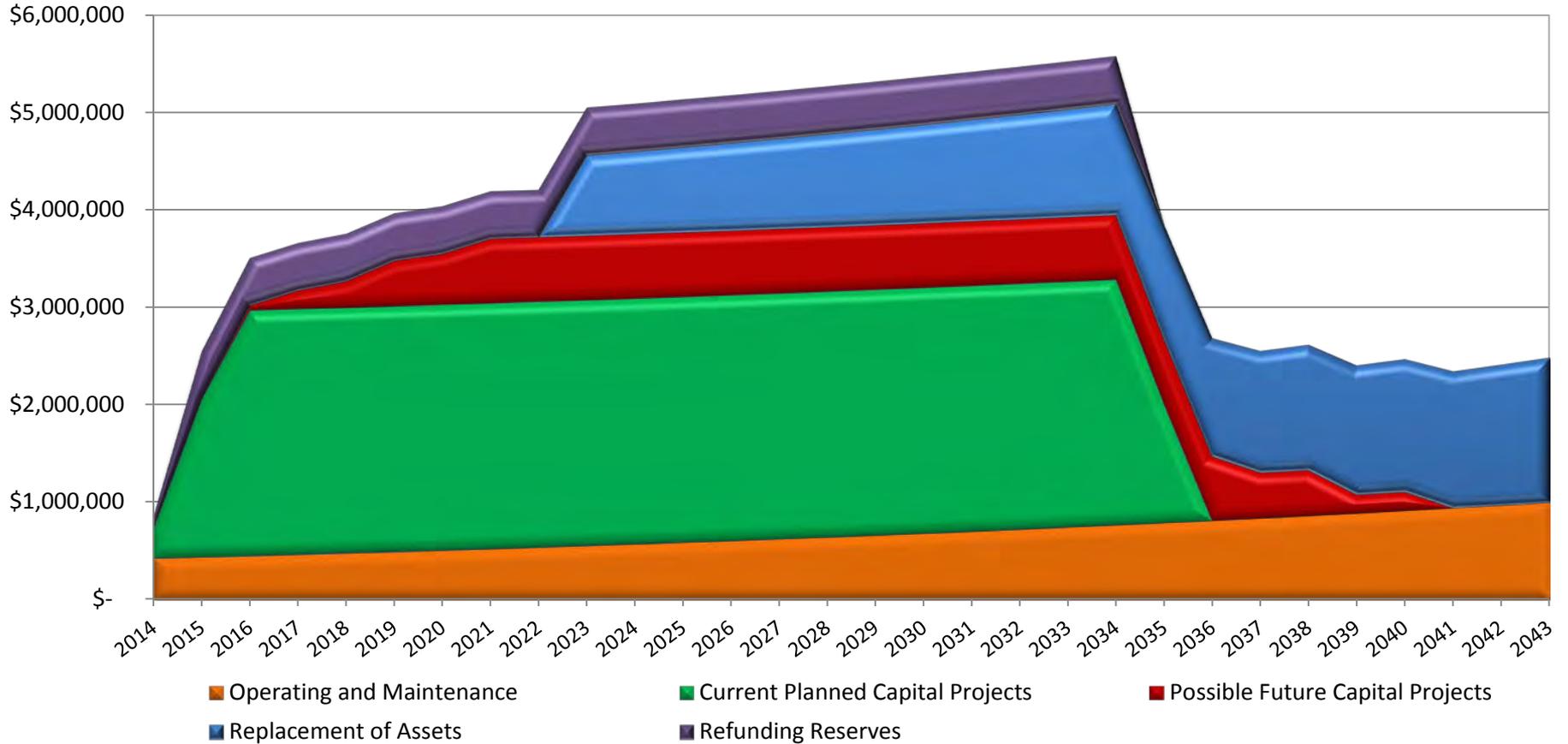
- ❑ Workshop #1 Follow Up
- ❑ Level of Service Considerations
- ❑ Stormwater Fee Analysis
- ❑ Property Owner Impacts
- ❑ Stormwater Utility Comparisons
- ❑ Key Policy Issues

Workshop #1 Follow Up



Full Spending Forecast

Stormwater Annual Revenue Requirements



Stormwater Spending Totals

Full Spending Capital Projects ⁽¹⁾	30 Years (2014 - 2043)	
	Present Value ⁽³⁾	Total
Debt Service (Principal)	\$34,323,157	\$50,735,635
Debt Service (Interest) ⁽²⁾	\$18,041,272	\$23,660,726
Total	\$52,364,429	\$74,396,361

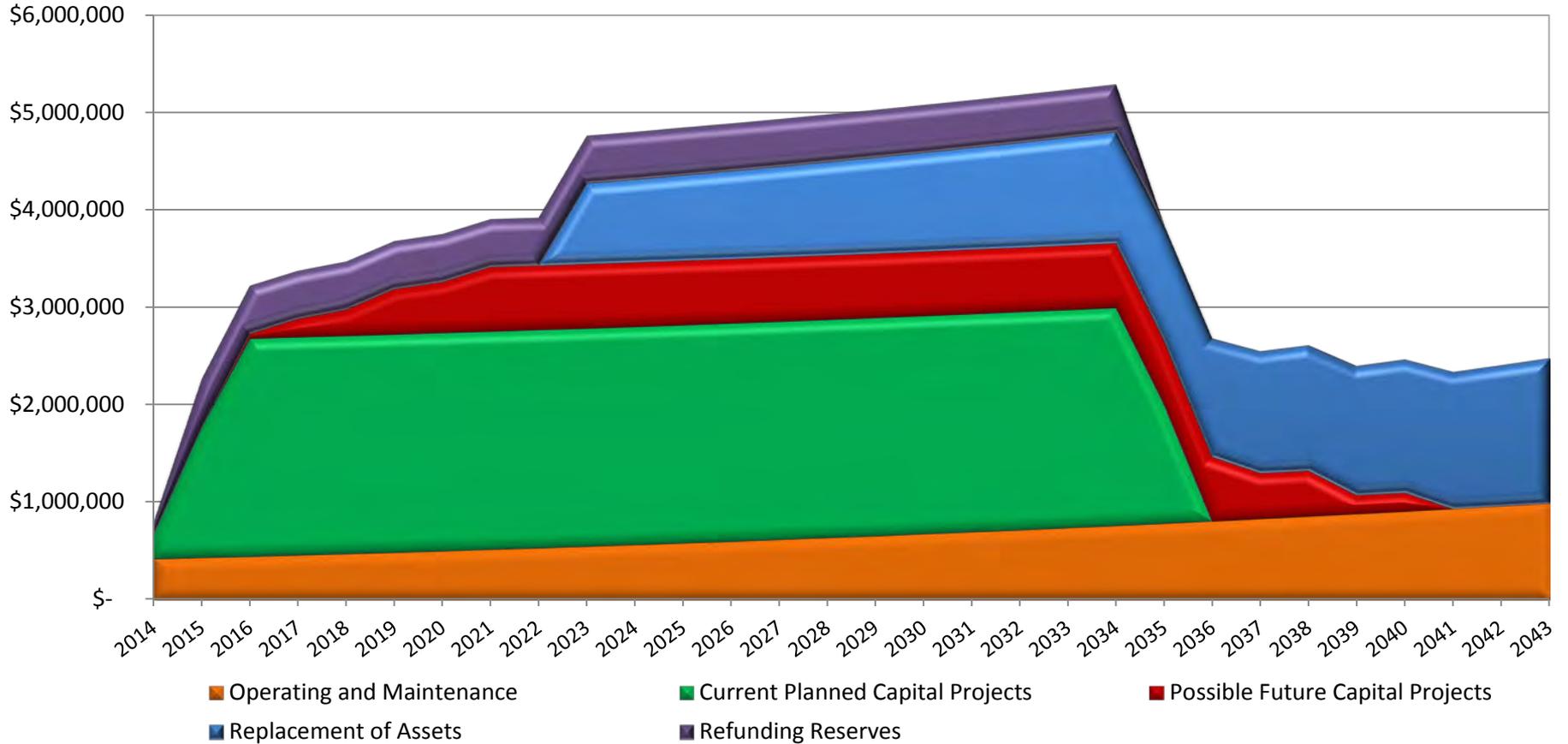
(1) Assumes all capital projects funded totaling \$48.2 million plus 1.5% for bond issuance costs

(2) 20 year bond maturity within 30 year period

(3) Assuming a 3% discount rate

Spending Forecast Excluding Indian Hill Underpass

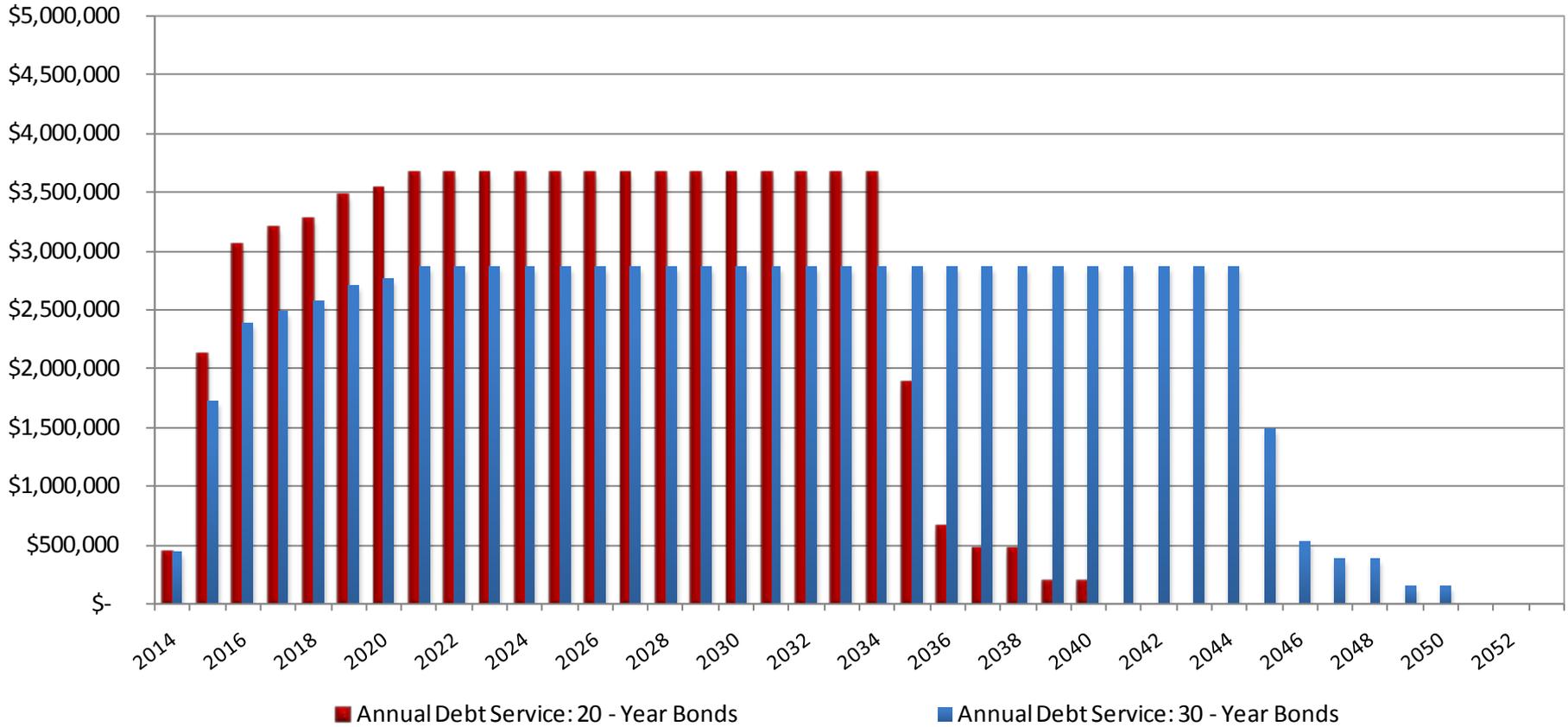
Stormwater Annual Revenue Requirements



	2014	2015	2016	2017	2018
Annual Debt Service Reduction	\$77,000	\$309,589	\$309,589	\$309,589	\$309,589

Bond Maturity Comparison

Annual Debt Service Comparison



Assumes all capital projects funded totaling \$48.2 million plus 1.5% for bond issuance costs

Bond Maturity Comparison

	Over Life of Bonds	
	Present Value ⁽²⁾	Total
Debt Service Interest (30 Year Bonds) ⁽¹⁾	\$25,024,321	\$36,268,025
Debt Service Interest (20 Year Bonds) ⁽¹⁾	\$18,041,272	\$23,660,726
<i>Difference</i>	\$6,983,049	\$12,607,299

(1) Assumes all capital projects funded totaling \$48.2 million plus 1.5% for bond issuance costs

(2) Assuming a 3% discount rate

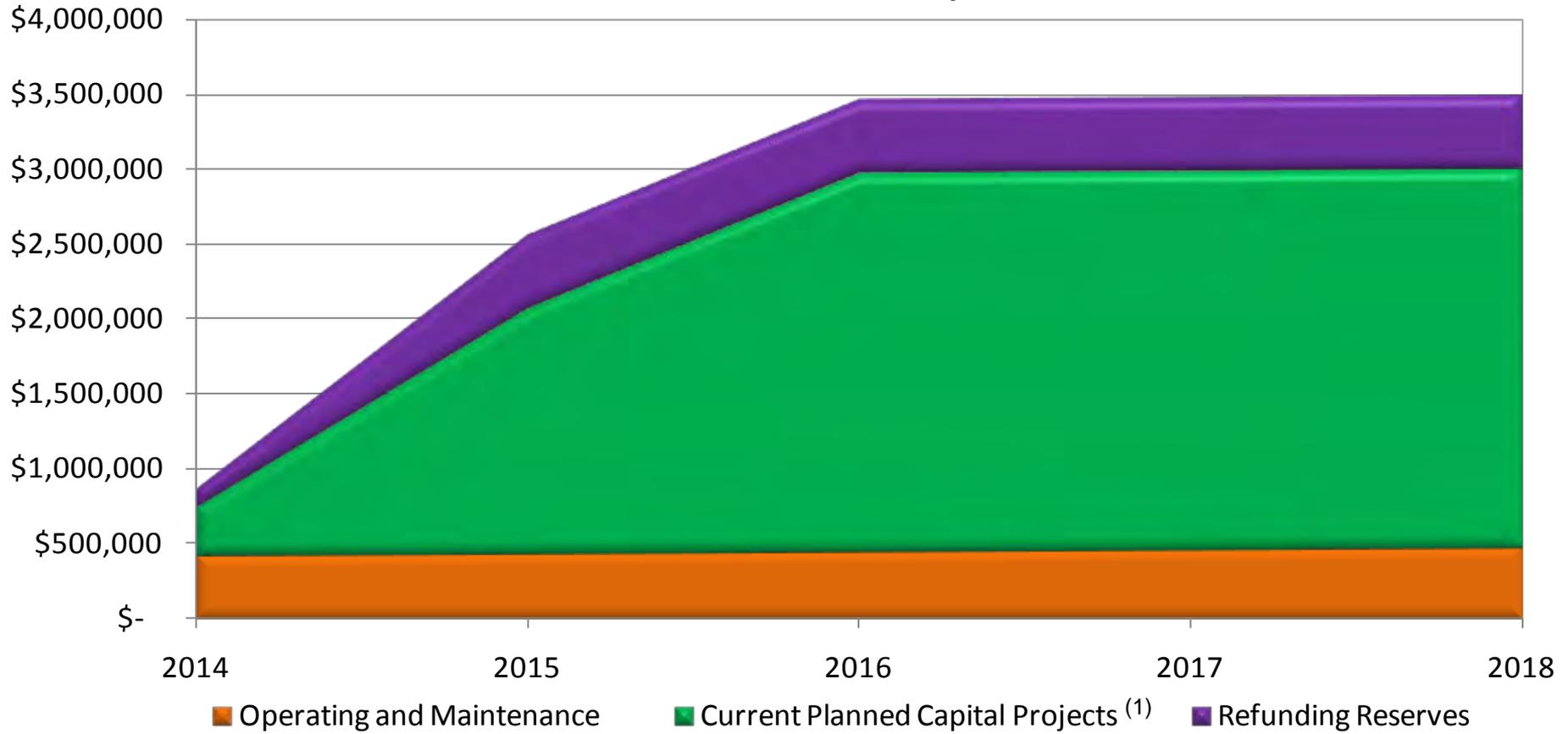
Level of Service Considerations

Level of Service Considerations

- ❑ Identified the full range of costs that the Village may fund at some point in the future.
- ❑ For financial planning purposes, make practical considerations about level of service and timing of capital projects and the resulting financing needs over time.
- ❑ Recommend focusing on the funding requirements for stormwater expenditures and capital projects for the next 3 to 5 years.
- ❑ Continue to evaluate service and funding of other currently planned projects. *(We are not suggesting future capital projects be taken off the table)*

Recommended Level of Service

Stormwater Annual Revenue Requirements



(1) Current Planned Capital Project includes Willow Road Tunnel

Total Annual Revenue Requirements

Project	2014	2015	2016	2017	2018
Operating Costs					
Total Operating Expenses ⁽¹⁾	390,000	390,000	390,000	390,000	390,000
Total Operating Expenses ⁽²⁾	32,000	45,000	58,000	72,000	86,000
<i>Total Operating Expenses</i>	<i>\$422,572</i>	<i>\$435,249</i>	<i>\$448,307</i>	<i>\$461,756</i>	<i>\$475,609</i>
Projected Debt Service					
Current Planned Capital Projects	324,220	1,634,473	2,520,994	2,520,994	2,520,994
Refunding General Fund Reserves	121,090	486,859	486,859	486,859	486,859
<i>Total Capital Expenses</i>	<i>\$445,310</i>	<i>\$2,121,332</i>	<i>\$3,007,854</i>	<i>\$3,007,854</i>	<i>\$3,007,854</i>
Total SW Revenue Requirement	\$867,882	\$2,556,582	\$3,456,160	\$3,469,610	\$3,483,462

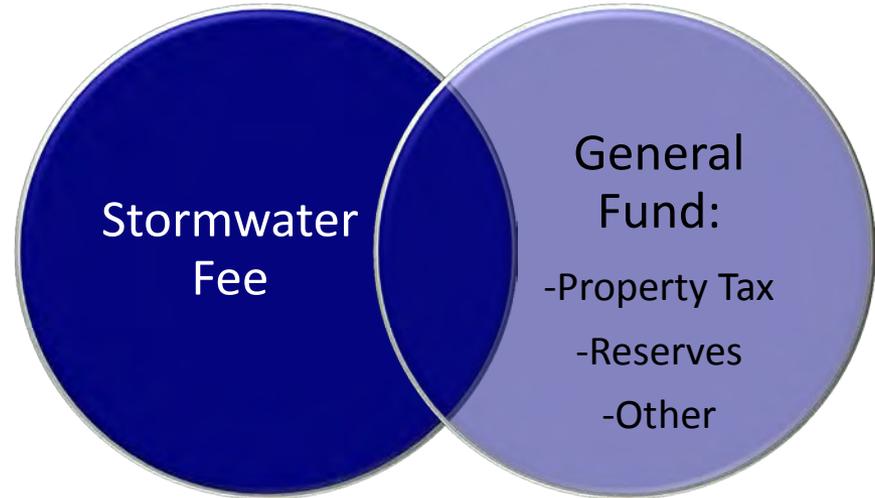
(1) Operating funded by General Fund

(2) Incremental Operating and Maintenance above current GF funding

Stormwater Funding

Funding Options

1. 100% Stormwater Fee Funding
2. 100% Property Tax Funding
3. 50% Property Tax and 50% Stormwater Fee Funding



	2014	2015	2016	2017	2018
Total SW Revenue Requirement	\$867,882	\$2,556,582	\$3,456,160	\$3,469,610	\$3,483,462
Current funding from General Fund*	\$390,000	\$390,000	\$390,000	\$390,000	\$390,000
Unfunded Revenue Requirements	\$477,882	\$2,166,582	\$3,066,160	\$3,079,610	\$3,093,462

*We have assumed Current funding from the General Fund will remain available to fund stormwater operating expenses in all funding alternatives.

Funding Scenarios

100% Stormwater Fee Funding	2014	2015	2016	2017	2018
Funded via Stormwater Fees	\$477,882	\$2,166,582	\$3,066,160	\$3,079,610	\$3,093,462
Funded via Property Taxes	\$ -	\$ -	\$ -	\$ -	\$ -

100% Property Tax Funding	2014	2015	2016	2017	2018
Funded via Stormwater Fees	\$ -	\$ -	\$ -	\$ -	\$ -
Funded via Property Taxes	\$477,882	\$2,166,582	\$3,066,160	\$3,079,610	\$3,093,462

Combined Funding (50% / 50%)	2014	2015	2016	2017	2018
Funded via Stormwater Fees	\$238,941	\$1,083,291	\$1,533,080	\$1,539,805	\$1,546,731
Funded via Property Taxes	\$238,941	\$1,083,291	\$1,533,080	\$1,539,805	\$1,546,731

Stormwater Fee Analysis

Stormwater Management

- ❑ Proper stormwater management is a general benefit to all property owners in the Village.
 - Increases property values
 - Helps to protect property from flooding
 - Increases environmental protection
 - Allows for safe travel in and around the Village

- ❑ However the goal of a stormwater fee is to equitably assess the cost of providing stormwater service to property owners based on their impact to the stormwater system.

Stormwater Fee Approach

Level of Service

**Key Consideration:
What Should the Village Fund?**

Rate Base

**Key Consideration:
What Unit of Measure is Used
to Account for Stormwater
Contribution?**

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Stormwater Fee

**Key Consideration:
How Should the Stormwater
Fee be Structured?**

Rate Base - Unit of Measure

- Various rate bases are used to develop stormwater fees and can be grouped in three main categories:

Stormwater Proxy

- Zoning
- Water Usage

Intensity of Development

- Gross property area with runoff coefficient

Impervious Area

- Average impervious based on sample
- Actual measured impervious

Increasing Equity and Data Requirements

Recommended Rate Base - Impervious Area

- ❑ The industry best practice and most common approach is the use of impervious area, because it relates directly to runoff and demand on system.
- ❑ Impervious area data is readily available for all parcels in Village and can be measured and verified.

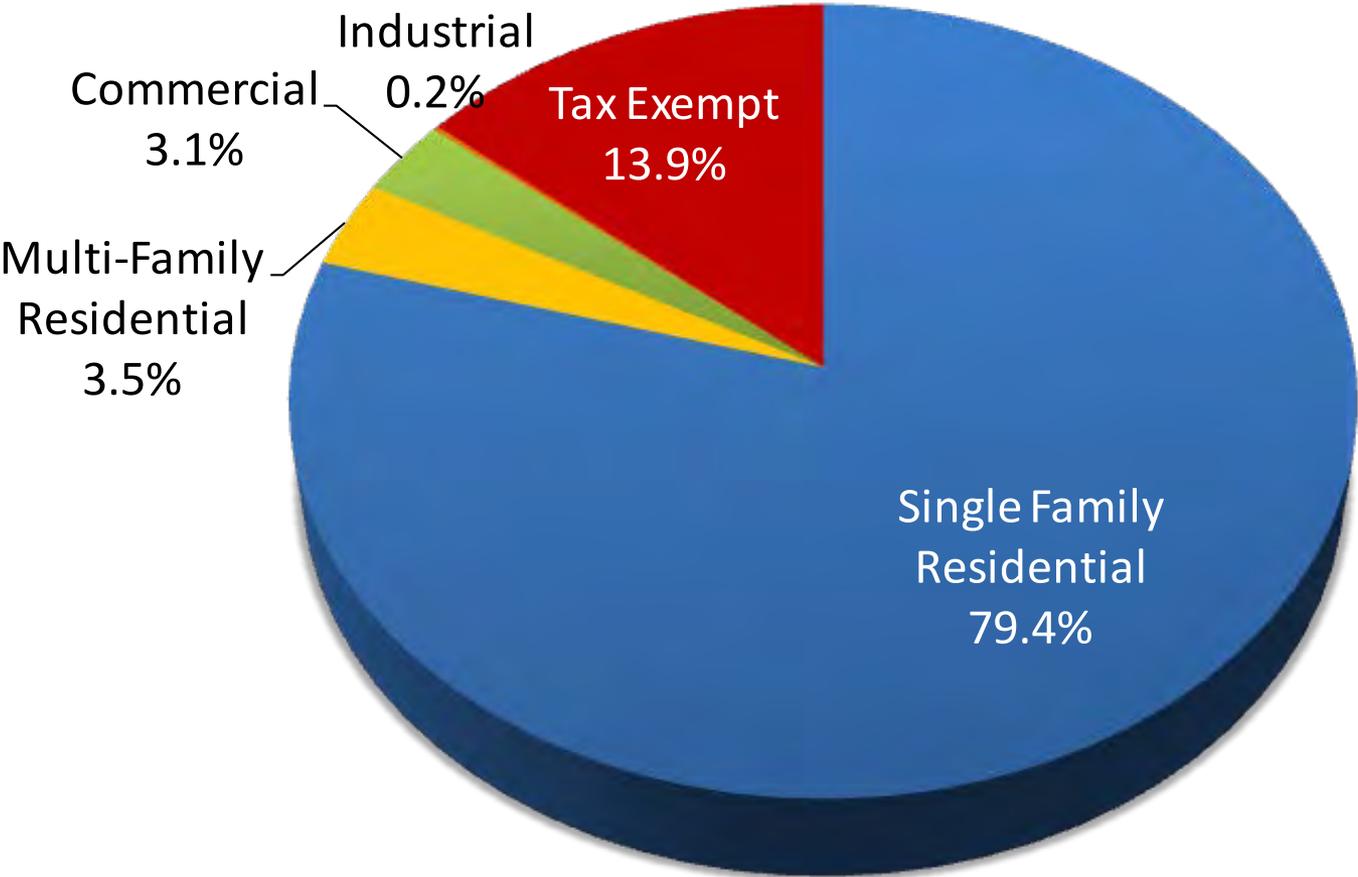


- ❑ Upheld by courts in IL and other states.

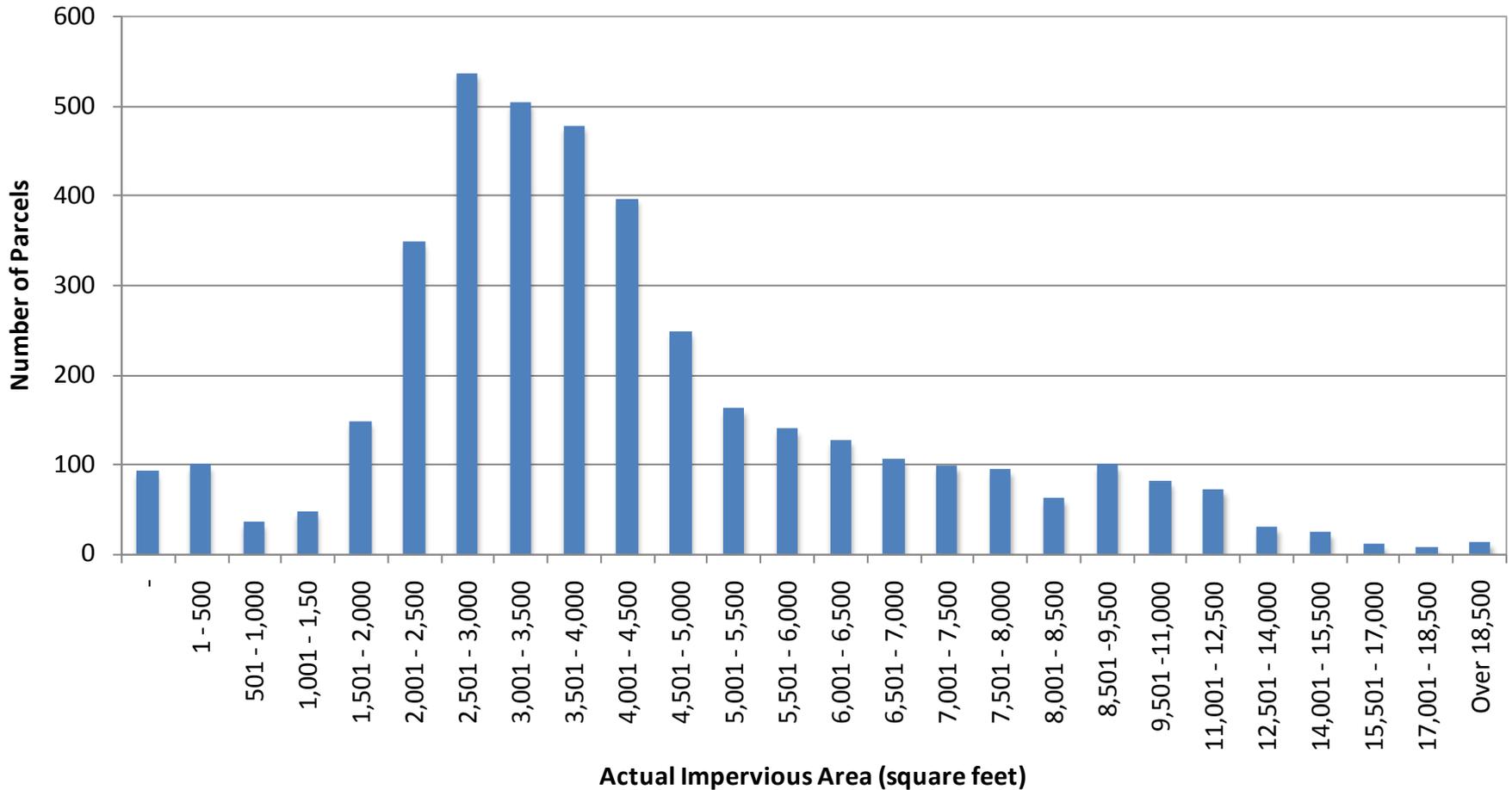
Impervious Area by Land Use

Land Use	No. of Parcels	Gross Area (sq ft)	% Impervious	Impervious Area (sq ft)	% of Total Impervious
Single Family Residential	4,181	62,423,185	29%	17,909,452	79.4%
Multi-Family Residential	125	1,359,654	58%	791,475	3.5%
Commercial	124	820,552	85%	694,349	3.1%
Industrial	5	40,896	97%	39,530	0.2%
Tax Exempt	74	23,265,106	13%	3,127,926	13.9%
Total	4,509	87,909,393		22,562,732	100%

Breakdown of Impervious Area by Land Use

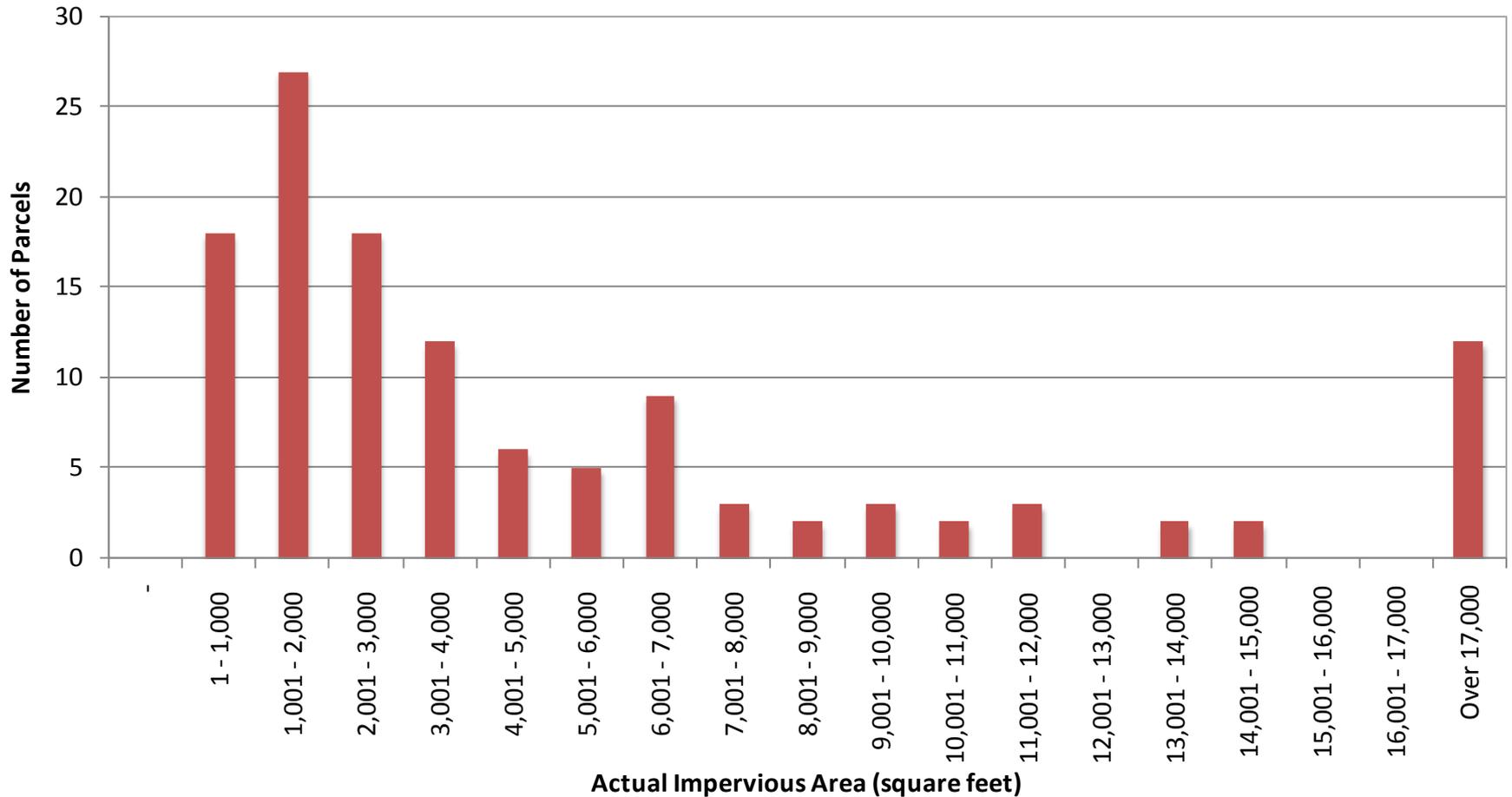


Single Family Residential Impervious



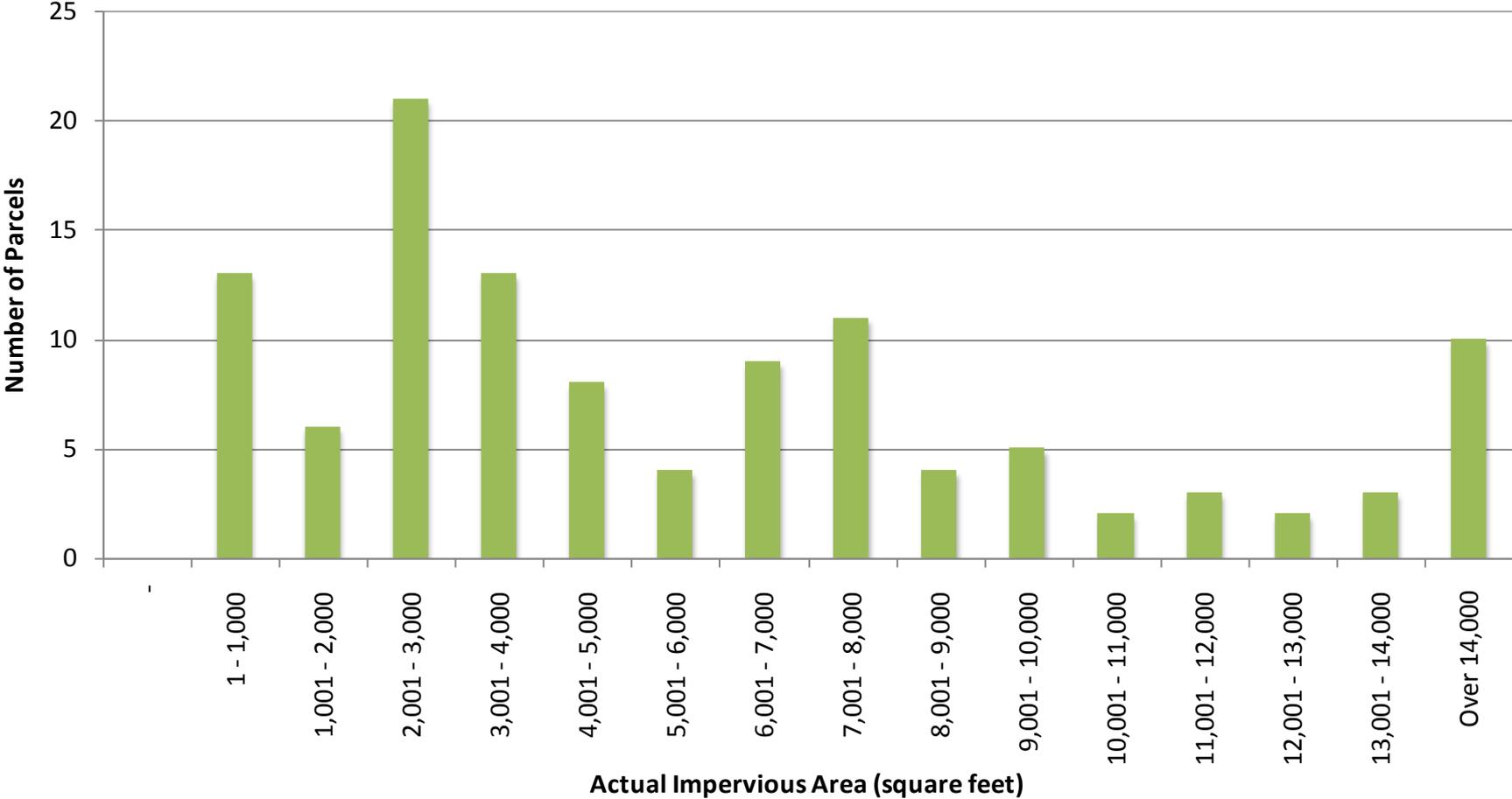
Average Impervious	Median Impervious	Largest Impervious Area
4,414 sq. ft.	3,728 sq. ft.	32,652 sq. ft.

Multi-Family Residential Impervious



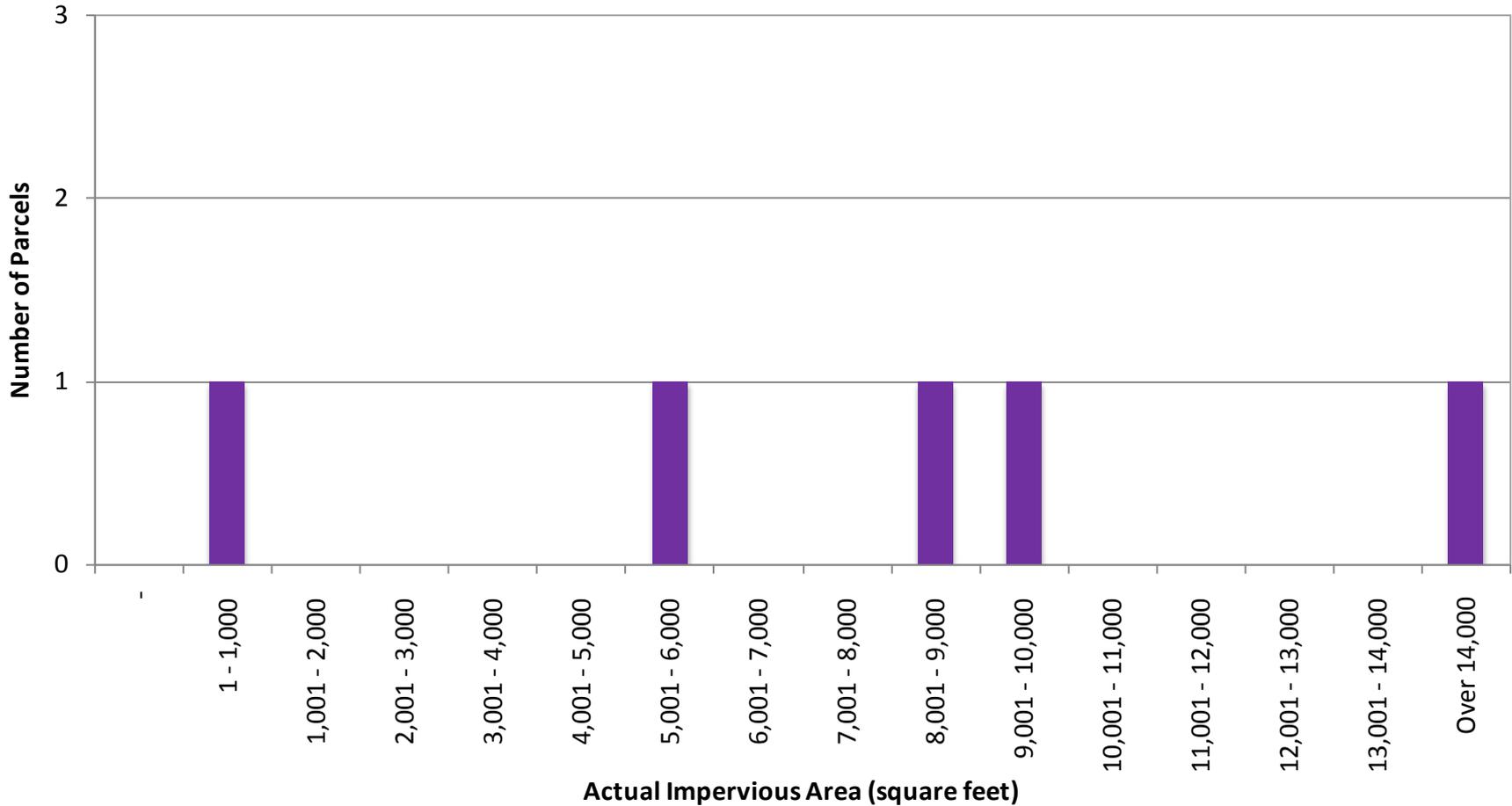
Average Impervious	Median Impervious	Largest Impervious Area
6,383 sq. ft.	2,873 sq. ft.	56,094 sq. ft.

Commercial Impervious Area



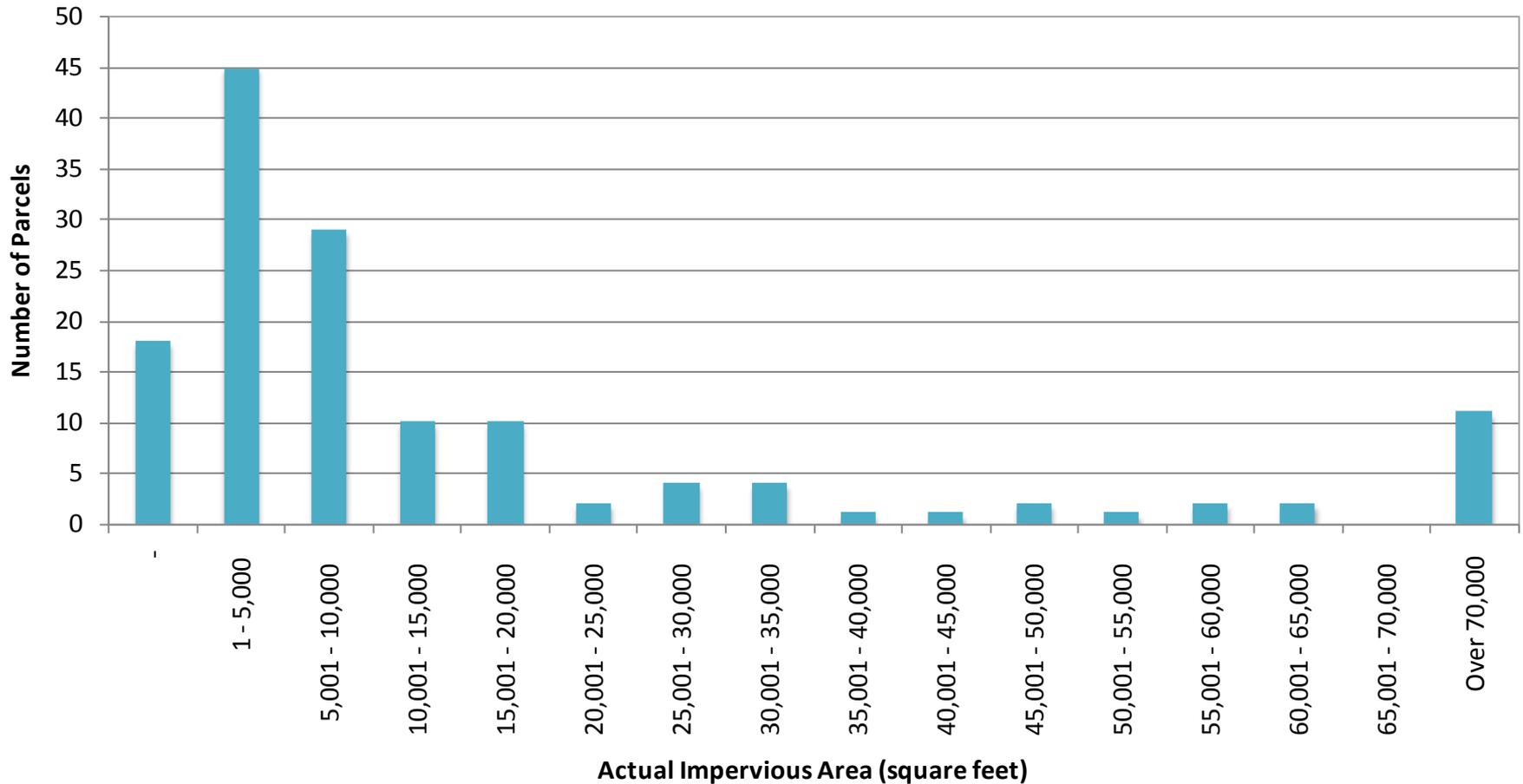
Average Impervious	Median Impervious	Largest Impervious Area
6,091 sq. ft.	4,412 sq. ft.	31,509 sq. ft.

Industrial Impervious Area



Average Impervious	Median Impervious	Largest Impervious Area
7,906 sq. ft.	8,231 sq. ft.	14,943 sq. ft.

Tax-Exempt Impervious Area



Average Impervious	Median Impervious	Largest Impervious Area
22,028 sq. ft.	6,196 sq. ft.	272,038 sq. ft.

Impervious Area Findings

- ❑ Single parcels with the largest impervious area in the Village are in the Tax-Exempt land use.
- ❑ A very wide distribution of impervious area exists among Single Family Residential (SFR) parcels (ranging from 0 - 32,000 sq ft).
 - As a result, using an average impervious area approach for all SFR parcels would significantly reduce the equity of the stormwater fee.
 - When excluding parcels with impervious area greater than 8,500 sq ft, the average impervious area for SFR is 3,400 sq. ft. (which captures 90% of SFR parcels).

Recommended Equivalent Runoff Unit (ERU)

Average Single Family Impervious Area

= 1 Equivalent Runoff Unit (ERU)



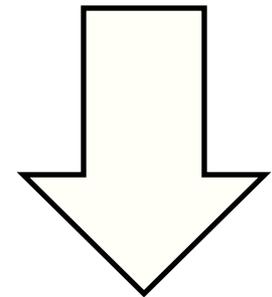
= 3,400 square feet

Recommended Approaches for Calculating ERUs

❑ Residential parcels

- Average impervious for all parcels
- Parcels grouped into Tiers of ERU's
- Impervious measured on parcel by parcel basis (as multiples of 3,400 sq ft) rounded to whole ERU

Increasing Complexity and Equity



❑ Non-Residential parcels

- Impervious measured on parcel by parcel basis (as multiples of 3,400 sq ft) rounded to whole ERU

ERU's by Use Category

Land Use	ERUs
Single Family Residential	5,386
Multi-Family Residential	237
Commercial	211
Industrial	11
Tax Exempt	925
Total ERU's	6,769

Stormwater Fee Approach

Level of Service

Key Consideration:
What Does the Village Fund?

Rate Base

Key Consideration:
What Unit of Measure is Used
to Evaluate Stormwater
Contribution?

=

Stormwater Fee

Key Consideration:
How should the stormwater
fee be structured?

Stormwater Fee Structure

- Stormwater Fee Structures Considered:
 - 1) Uniform Fee per ERU
 - Same fee per ERU regardless of location
 - Typical approach
 - 2) Location based fee per ERU
 - Fee varies by drainage area based on associated capital projects serving area

100% Stormwater Fee Funding - Annual Uniform Stormwater Fee per ERU

	FY 14	FY 15	FY 16	FY 17	FY 18
<i>Collected via Stormwater Fees</i>	\$477,882	\$2,166,582	\$3,066,160	\$3,079,610	\$3,093,462
Annual Stormwater Fee per ERU*	\$70.60	\$320.06	\$452.95	\$454.94	\$456.99

*Based on 6,769 ERU's as shown on slide 30.

Combined Funding – Annual Uniform Stormwater Fee per ERU and Incremental Annual Tax Bill

	FY 14	FY 15	FY 16	FY 17	FY 18
<i>Collected via Stormwater Fee (50%)</i>	\$238,941	\$1,083,291	\$1,533,080	\$1,539,805	\$1,546,731
<i>Collected via Tax Bill (50%)</i>	\$238,941	\$1,083,291	\$1,533,080	\$1,539,805	\$1,546,731
Stormwater Fee Per ERU ⁽¹⁾	\$35.30	\$160.03	\$226.48	\$227.47	\$228.49
Incremental Property Tax Bill ⁽²⁾	\$59.54	\$269.93	\$382.00	\$383.68	\$385.41
Tax Deduction ⁽³⁾	(\$22.62)	(\$102.57)	(\$145.16)	(\$145.80)	(\$146.45)
Resulting Total After Deduction	\$36.91	\$167.36	\$236.84	\$237.88	\$238.95

(1) Assumes home with 3,400 sq ft of impervious area

(2) Assumes home with equalized assessed value (EAV) of \$400,000

(3) Assumes individual filing with income of \$275,000 (33% federal tax bracket plus 5% state) and that individual is not subject to Alternative Minimum Tax (AMT)

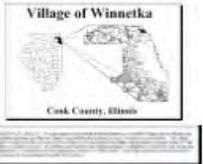
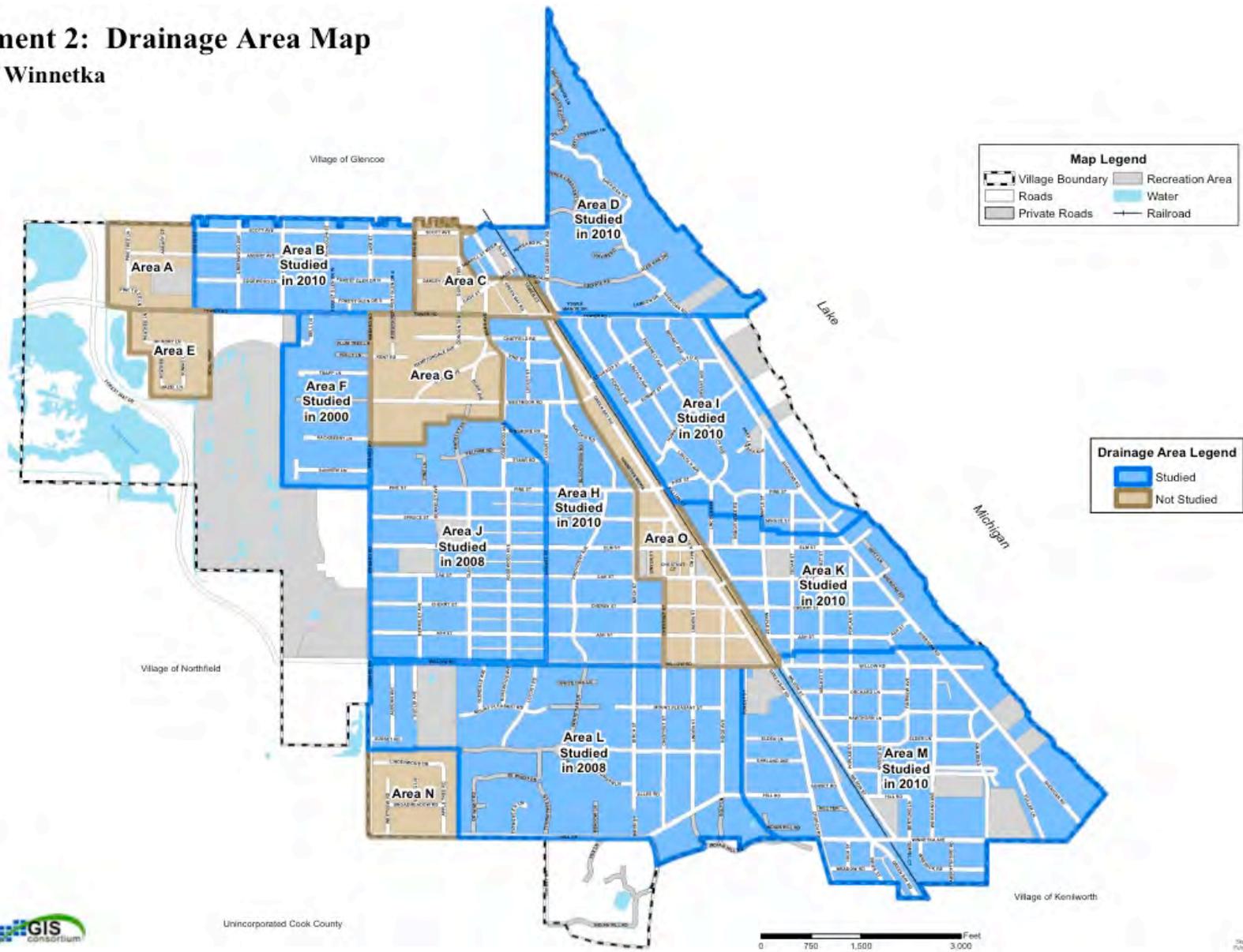
Location Based Fee Approach

Cost Category	Allocation of Stormwater Costs
Operating and Maintenance Expenses	All Parcels
Capital Projects	50% to All Parcels 50% to Specific Drainage Area
Refunding of General Fund Reserves - General Projects (SW Masterplan, Rate Study, Etc)	All Parcels
Refunding of General Fund Reserves - Specific Drainage Area Projects	50% to All Parcels 50% to Specific Drainage Area



Attachment 2: Drainage Area Map

Village of Winnetka



Unincorporated Cook County



Map File: \GIS\11\Drawings\February 26, 2012\DWG\DWGMap

Drainage Areas Project Allocations

Capital Project	Associated Drainage Area	ERUs	Cost of Project
Tower Road / Foxdale	Area: I	527	\$1,162,853
Lloyd Park Outlet / Spruce St	Area: I	527	\$398,786
NW Winnetka / Forest Glen	Area: B	382	\$4,266,924
Willow Road Tunnel	Areas: G,H,J,K,L,M	3,998	\$34,369,048
Winnetka Ave Pump Station	Areas: G,H,J,L,N	2,509	\$750,000

100% Stormwater Fee Funding - Annual Location Based Stormwater Fee per ERU

	FY 14	FY 15	FY 16	FY 17	FY 18
<i>Collected via Stormwater Fees</i>	\$477,882	\$2,166,582	\$3,066,160	\$3,079,610	\$3,093,462
Stormwater Fees					
Areas: A,C,D,E,F,O (Minimum⁽¹⁾)	\$38.26	\$165.61	\$233.02	\$235.00	\$237.05
Area: B (Minimum⁽¹⁾ + NW Winnetka)	\$137.53	\$564.73	\$632.14	\$634.12	\$636.17
Areas: N (Minimum⁽¹⁾ + Pump Station)	\$40.91	\$176.28	\$243.69	\$245.68	\$247.72
Area: I (Minimum⁽¹⁾ + Tower Road/Foxdale + Lloyd Park)	\$64.58	\$271.42	\$338.83	\$340.82	\$342.86
Areas: G,H,J,L (Minimum⁽¹⁾ + Pump Station + Tunnel)	\$81.05	\$379.04	\$557.32	\$559.31	\$561.36
Areas: K,M (Minimum⁽¹⁾ + Tunnel)	\$78.40	\$368.37	\$546.65	\$548.64	\$550.68

(1) Minimum includes O&M costs and 50% of capital costs

Combined Funding – Annual Location Based Stormwater Fee per ERU and Incremental Annual Tax Bill

	FY 14	FY 15	FY 16	FY 17	FY 18
<i>Collected via Stormwater Fee (50%)</i>	\$238,941	\$1,083,291	\$1,533,080	\$1,539,805	\$1,546,731
<i>Collected via Tax Bill (50%)</i>	\$238,941	\$1,083,291	\$1,533,080	\$1,539,805	\$1,546,731
Stormwater Fees					
Areas: A,C,D,E,F,O (Minimum⁽¹⁾)	\$19.13	\$82.80	\$116.51	\$117.50	\$118.53
Area: B (Minimum⁽¹⁾ + NW Winnetka)	\$68.76	\$282.36	\$316.07	\$317.06	\$318.09
Areas: N (Minimum⁽¹⁾ + Pump Station)	\$20.46	\$88.14	\$121.85	\$122.84	\$123.86
Area: I (Minimum⁽¹⁾ + Tower Road/Foxdale + Lloyd Park)	\$32.29	\$135.71	\$169.41	\$170.41	\$171.43
Areas: G,H,J,L (Minimum⁽¹⁾ + Pump Station + Tunnel)	\$40.53	\$189.52	\$278.66	\$279.66	\$280.68
Areas: K,M (Minimum⁽¹⁾ + Tunnel)	\$39.20	\$184.18	\$273.32	\$274.32	\$275.34
Incremental Tax Bill ⁽²⁾	\$36.91	\$167.36	\$236.84	\$237.88	\$238.95

(1) Minimum includes O&M costs and 50% of capital costs

(2) After tax deduction (slide 34)

100% Property Tax Funding – Incremental Annual Property Tax Bill

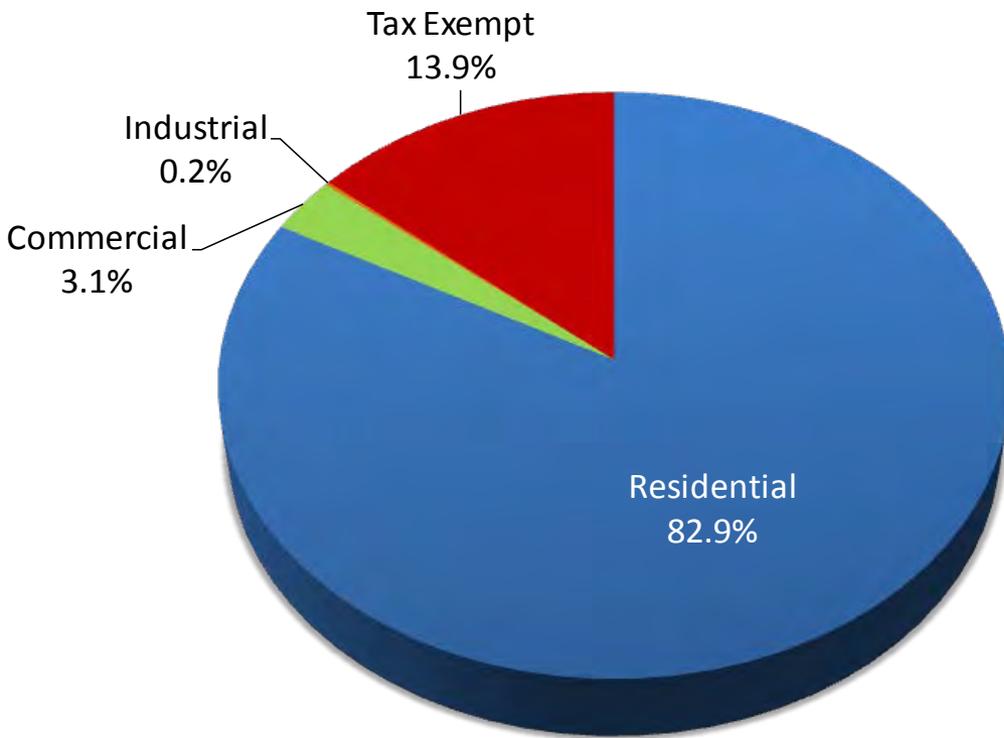
	FY 14	FY 15	FY 16	FY 17	FY 18
<i>Collected via Property Taxes</i>	\$477,882	\$2,166,582	\$3,066,160	\$3,079,610	\$3,093,462
Incremental Property Tax Bill ⁽¹⁾	\$119.08	\$539.86	\$764.01	\$767.36	\$770.81
Tax Deduction ⁽²⁾	(\$45.25)	(\$205.15)	(\$290.32)	(\$291.60)	(\$292.91)
Resulting Total After Deduction	\$73.83	\$334.71	\$473.69	\$475.76	\$477.90

(1) Assumes home with equalized assessed value (EAV) of \$400,000

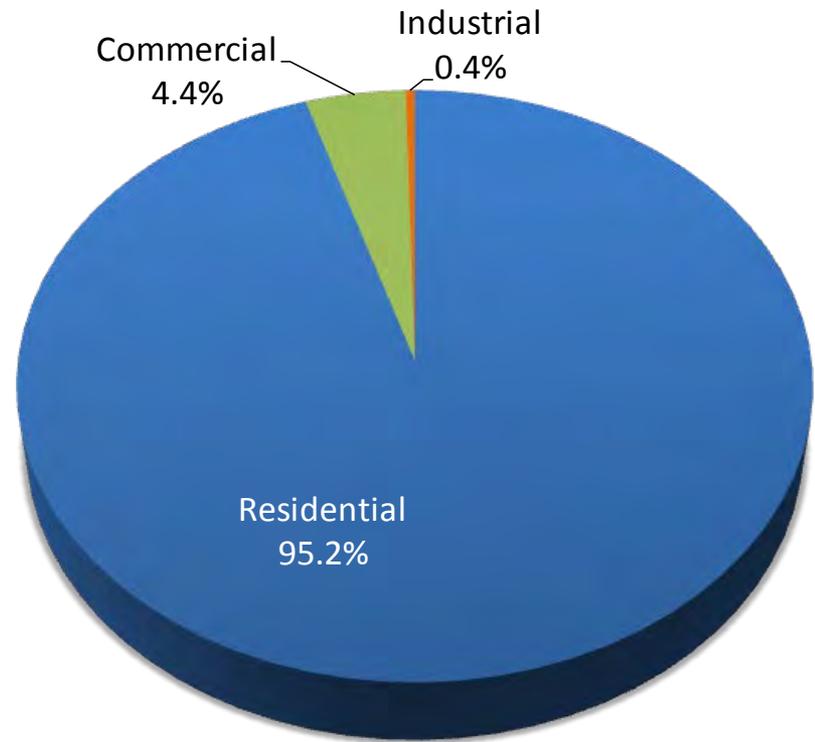
(2) Assumes individual filing with income of \$275,000 (33% federal tax bracket plus 5% state) and that individual is not subject to Alternative Minimum Tax (AMT)

Land Use Revenue Comparison

Percentage of Revenue Collected
By Property Type Using Stormwater Fee



Percentage of Revenue Collected
By Property Type Using Property Tax



Property Owner Impact



Single Family Residential Parcel #1

Impervious Area	EAV	Drainage Area	ERU's
3,000 sq ft	\$325,000	C	1

Bill Comparison	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$71	\$320	\$453	\$455	\$457
Location 100% SW Fee	\$38	\$166	\$233	\$235	\$237
100% Property Taxes (Tax Bill)	\$97	\$438	\$620	\$623	\$625
Tax Deduction ⁽¹⁾	(\$37)	(\$166)	(\$236)	(\$237)	(\$238)
Tax Bill After Deduction	\$60	\$272	\$384	\$386	\$388

(1) Assumes individual filing with income of \$275,000 (33% federal tax bracket plus 5% state) and that individual is not subject to Alternative Minimum Tax (AMT)

Single Family Residential Parcel #2

Impervious Area	EAV	Drainage Area	ERU's
5,330 sq ft	\$464,000	M	2

Bill Comparison	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$141	\$640	\$906	\$910	\$914
Location 100% SW Fee	\$157	\$737	\$1,093	\$1,097	\$1,101
100% Property Taxes (Tax Bill)	\$138	\$626	\$886	\$889	\$893
Tax Deduction ⁽¹⁾	(\$52)	(\$238)	(\$337)	(\$338)	(\$340)
Tax Bill After Deduction	\$86	\$388	\$549	\$551	\$554

(1) Assumes individual filing with income of \$275,000 (33% federal tax bracket plus 5% state) and that individual is not subject to Alternative Minimum Tax (AMT)

Single Family Residential Parcel #3

Impervious Area	EAV	Drainage Area	ERU's
8,600 sq ft	\$656,000	L	3

Bill Comparison	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$212	\$960	\$1,359	\$1,365	\$1,371
Location 100% SW Fee	\$255	\$1,195	\$1,762	\$1,768	\$1,774
100% Property Taxes (Tax Bill)	\$195	\$886	\$1,253	\$1,259	\$1,265
Tax Deduction ⁽¹⁾	(\$74)	(\$337)	(\$476)	(\$478)	(\$481)
Tax Bill After Deduction	\$121	\$549	\$777	\$781	\$784

(1) Assumes individual filing with income of \$275,000 (33% federal tax bracket plus 5% state) and that individual is not subject to Alternative Minimum Tax (AMT)

Commercial Parcel #1

Impervious Area	EAV	Drainage Area	ERU's
6,800 sq ft	\$823,000	C	2

Bill Comparison	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$141	\$640	\$906	\$910	\$914
Location 100% SW Fee	\$77	\$331	\$466	\$470	\$474
100% Property Taxes (Tax Bill)	\$245	\$1,111	\$1,572	\$1,579	\$1,586

Commercial Parcel #2

Impervious Area	EAV	Drainage Area	ERU's
2,900 sq ft	\$218,000	0	1

Bill Comparison	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$71	\$320	\$453	\$455	\$457
Location 100% SW Fee	\$38	\$166	\$233	\$235	\$237
100% Property Taxes (Tax Bill)	\$65	\$295	\$417	\$419	\$421

Tax-Exempt Parcel #1

Impervious Area	EAV	Drainage Area	ERU's
200,000 sq ft	\$-	J	59

Bill Comparison	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$4,165	\$18,884	\$26,724	\$26,842	\$26,962
Location 100% SW Fee	\$5,009	\$23,509	\$34,653	\$34,770	\$34,891
100% Property Taxes (Tax Bill)	-	-	-	-	-

Tax-Exempt Parcel #2

Impervious Area	EAV	Drainage Area	ERU's
40,600 sq ft	\$-	M	12

	FY 14	FY 15	FY 16	FY 17	FY 18
Uniform 100% SW Fee	\$847	\$3,841	\$5,435	\$5,459	\$5,484
Location 100% SW Fee	\$941	\$4,420	\$6,560	\$6,584	\$6,608
100% Property Taxes (Tax Bill)	-	-	-	-	-

Stormwater Utility Comparisons



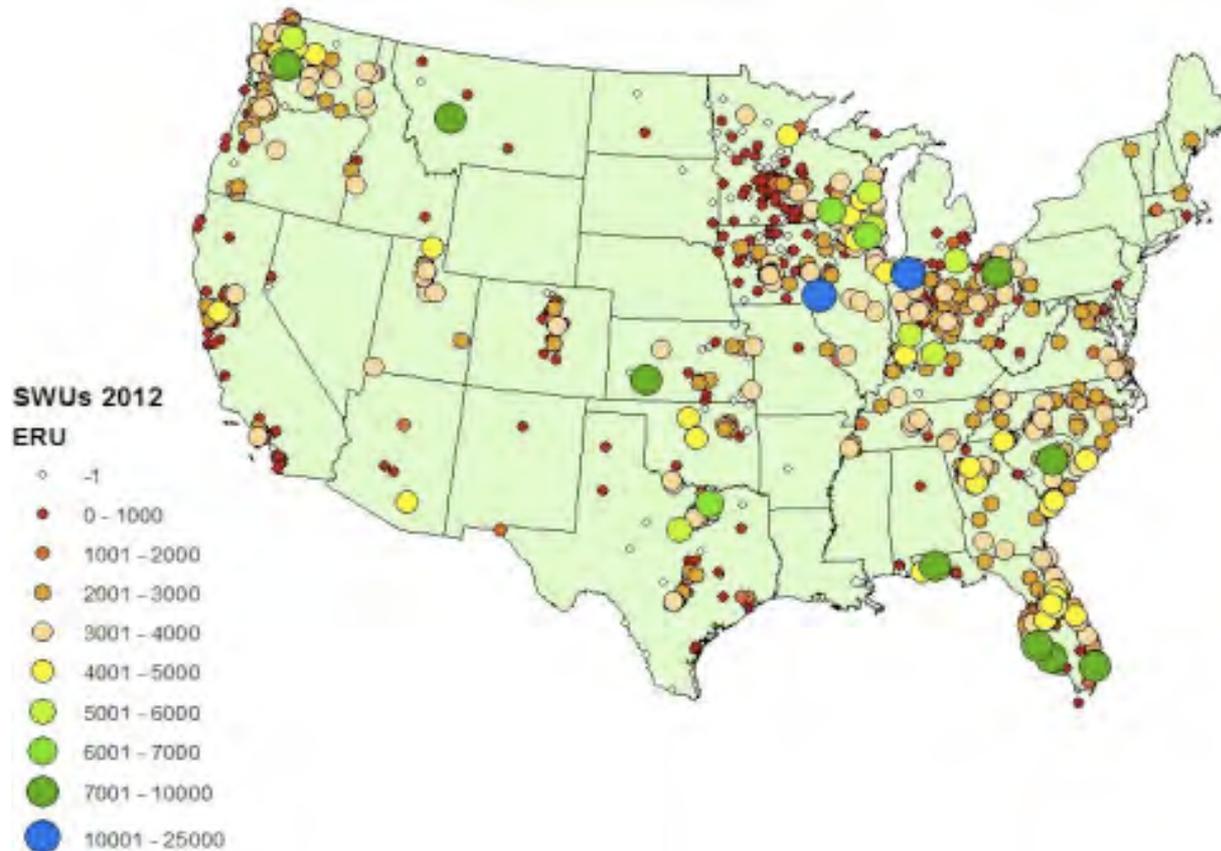
Stormwater Utilities - National

There are estimated to be 1,700 stormwater utilities located in 39 states and the District of Columbia, serving populations ranging from 33 to over 3,000,000.



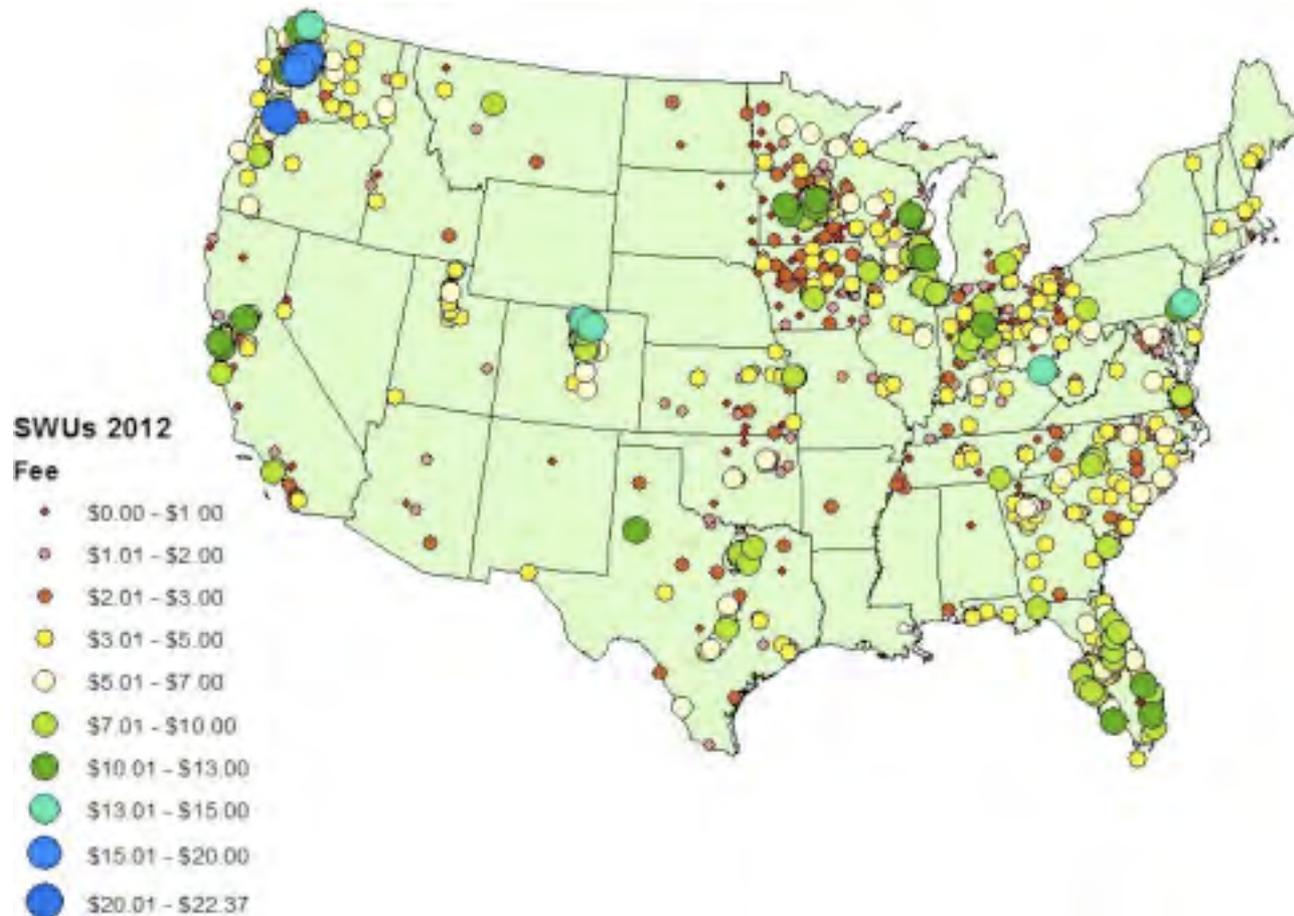
Stormwater Utilities - National

Impervious area is the most common approach among utilities for assessing stormwater fee (approximately 85% of utilities), with average impervious area per ERU equaling approximately 3,000 square feet.



Stormwater Utilities - National

Monthly stormwater fees for single family residential properties range from zero up to \$22.37 (City of Portland, OR) with average of \$4.20 and median of \$3.65.

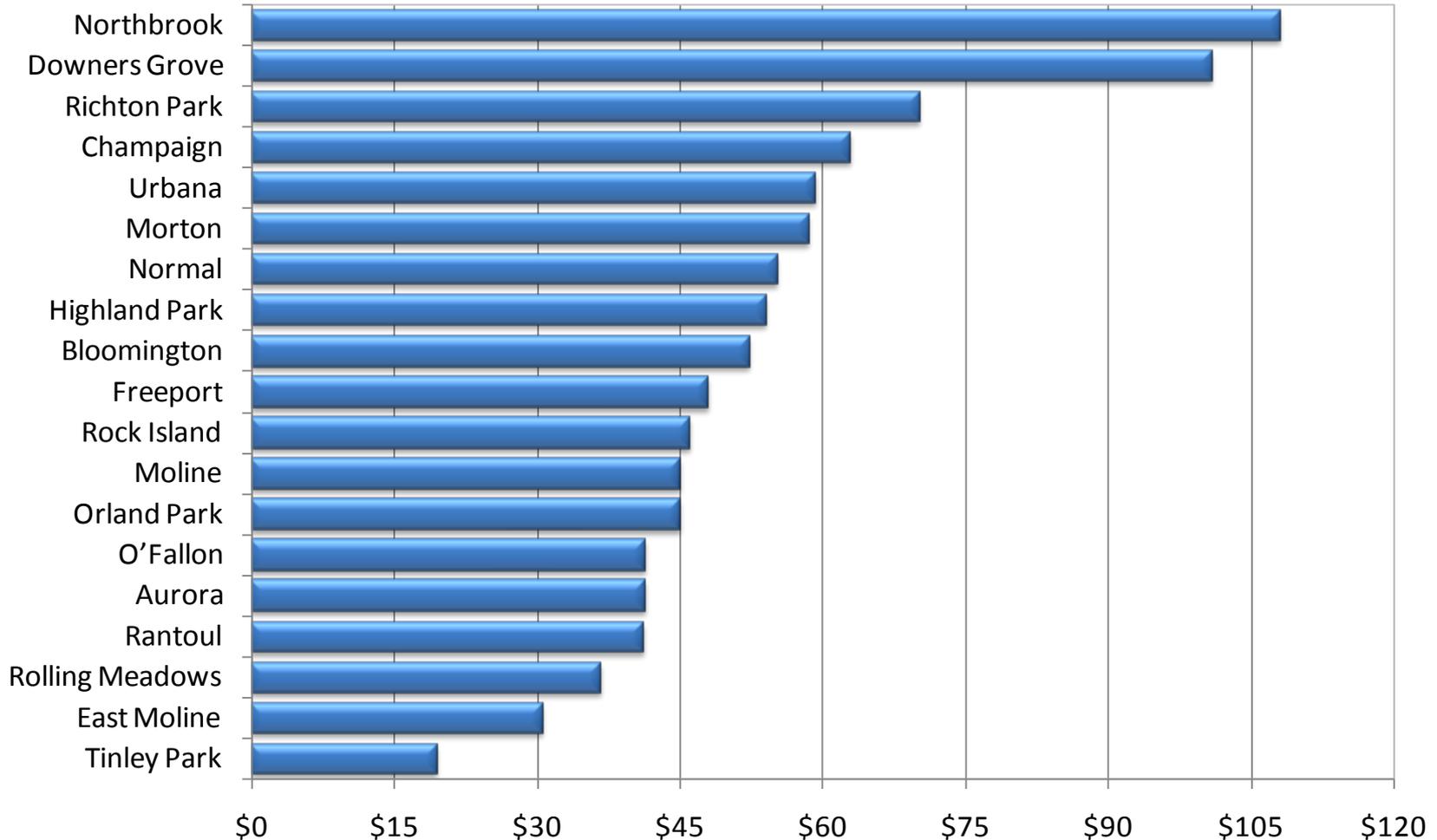


Stormwater Utilities In Illinois

Community	Population	Year SW Created	Annual Revenues
Aurora	197,899	1998	\$3,000,000
Bloomington	76,610	2004	\$2,760,000
Champaign	81,000	2012	\$3,200,000
Downers Grove	48,000	2012	\$2,361,651
East Moline	21,302	2009	\$350,000
Freeport	25,638		\$600,000
Highland Park	31,365		\$1,000,000
Moline	43,483	2000	\$1,800,000
Morton	16,600	2005	\$900,000
Normal	52,497	2006	\$1,730,000
Northbrook	33,170		\$1,200,000
O'Fallon	28,281	2008	\$812,000
Orland Park	51,077		\$500,000
Rantoul	13,700	2001	\$572,250
Richton Park	13,646		\$500,000
Rock Island	39,018	2002	\$1,600,000
Rolling Meadows	23,300	2001	\$560,000
Tinley Park	56,703	1983	\$475,000
Urbana	41,500	2012	\$1,700,000

Stormwater Fees in Illinois

Single Family Residential Annual Stormwater Fees



Stormwater Fee Structures in Illinois

Community	Unit of Measure (Rate Base)	Fee Structure	ERU (sq. ft.)
Aurora	Parcel	Flat Fee	-
Bloomington	Impervious Area (Tiered SFR, Actual Non-SFR)	Single SW Fee	1,000
Champaign	Impervious Area (Average SFR, Actual Non-SFR)	Single SW Fee	3,478
Downers Grove	Impervious Area (Tiered SFR, Actual Non-SFR)	Single SW Fee	3,300
East Moline	Impervious Area (Tiered SFR, Actual Non-SFR)	Single SW Fee	2,200
Freeport	Zoning	Flat Fee base on zoning	-
Highland Park	Impervious Area (Average SFR, Actual Non-SFR)	Single SW Fee	2,765
Moline	Impervious + Pervious Area (Tiered SFR, Actual Non-SFR)	Single SW Fee	
Morton	Impervious Area (Average SFR, Actual Non-SFR)	Single SW Fee	3,300
Normal	Impervious Area (Average SFR, Actual Non-SFR)	Single SW Fee	3,200
Northbrook	Water Use	Fixed Fee + water usage	-
O'Fallon	Impervious Area (Average SFR, Actual Non-SFR)	Single SW Fee	3,650
Orland Park	Water Use	Metered water use	-
Rantoul	Assessed Value	Drainage Surcharge Tax	-
Richton Park	Parcel	Flat Fee	-
Rock Island	Impervious Area (Tiered)	Tiered	2,800
Rolling Meadows	Impervious Area (Average ERU)	Average ERU	3,604
Tinley Park	Water Use	Fixed Fee + water usage	-
Urbana	Impervious Area (Average SFR, Actual Non-SFR)	Single SW Fee	3,100
Average			2,954

Key Policy Issues



Policy Issue Summary

Issue 1: What Level of Service Should the Village Provide?



Issue 2: How Should the Level of Service Be Funded?

Property Taxes

Stormwater Fee

Combination



Issue 3: What Rate Base Should Be Used?
- Impervious Area or Other Proxy



Issue 4: How Should the Fee Be Structured?
-Uniform or Location Based

Questions / Discussion