

Willowbrook

835 Midway Drive
Willowbrook, IL 60527-5549

Phone: (630) 323-8215 Fax: (630) 323-0787 www.willowbrookil.org

Mayor

Frank A. Trilla

Village Clerk

Leroy R. Hansen

Village Trustees

Sue Berglund

Umberto Davi

Terrence Kelly

Michael Mistele

Gayle Neal

Paul Oggerino

Village Administrator

Tim Halik

Chief of Police

Robert Schaller

Director of Finance

Carrie Dittman

AGENDA

REGULAR MEETING OF THE MUNICIPAL SERVICES COMMITTEE TO BE HELD ON MONDAY, SEPTEMBER 10, 2018, AT 5:30 P.M. AT THE VILLAGE HALL, 835 MIDWAY DRIVE, IN THE VILLAGE OF WILLOWBROOK, DUPAGE COUNTY, ILLINOIS

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF MINUTES:
 - a) August 13, 2018 Regular Meeting of the Municipal Services Committee
4. DISCUSSION – Village-Wide Fall Brush Collection Program
5. REPORTS – Municipal Services Department:
 - a) August 2018 Monthly Permit Activity Report
 - b) July 2018 Water System Pumpage Report
 - c) July 2018 Mosquito Abatement Program Update
6. VISITOR'S BUSINESS
(Public comment is limited to three minutes per person)
7. COMMUNICATIONS
8. ADJOURNMENT



Proud Member of the
Illinois Route 66 Scenic Byway

MINUTES OF THE REGULAR MEETING OF THE MUNICIPAL SERVICES
COMMITTEE OF THE VILLAGE OF WILLOWBROOK HELD ON MONDAY,
AUGUST 13, 2018 AT THE VILLAGE HALL, 835 MIDWAY DRIVE, IN THE
VILLAGE OF WILLOWBROOK, DUPAGE COUNTY, ILLINOIS

1. CALL TO ORDER

Trustee Kelly called the meeting to order at 5:03 PM.

2. ROLL CALL

Those present at roll call were Trustee Terrence Kelly, Trustee Michael Mistele, Village Administrator Tim Halik, and Assistant Village Administrator Jeffrey Monteleone.

3. APPROVAL OF MINUTES

Trustee Kelly recommended that the committee return to this agenda item as Chairman Oggerino had not yet arrived.

4. DISCUSSION – Architectural Professional Services Relating to Phase I of 825 Midway Drive Renovation Project

Assistant Village Administrator Jeffrey Monteleone provided background on this project and detailed the tight timeline we have to complete the work yet this year. Trustee Mistele shared that we should not worry too much about the timeline, and that there is still ample time to complete the shell building work this year. He also stated that if necessary, we could delay the completion of the Phase II work. Trustee Mistele also commented that he believes it is very important for the architect to determine the required sizes of the root top units to be replaced based on the future use of the interior space. He shared that interior portions of the building will convert from office use to assembly use and the required sizing of the RTUs must be determined as part of the Phase I work. Staff agreed. Monteleone provided a general review of the architectural services contract and advised that the indemnification language will be changed to be improved in the final version of the contract. Administrator Halik also called attention to a minor language change that Trustee Kelly had requested in Section 15.0 on page 4, where the word Village should be changed to Owner. Trustee Mistele also noted the omission of the word Days within Section 1 on page 1 of the Addendum. Monteleone also noted that he had added Section 11 in the contract. Trustee Mistele asked for clarification on the Qualified Based Selection waiver. Monteleone explained statutory requirement along with the issue of bid stringing and stated that it should not be a concern due to our approach and budgetary timeline for this project. He just felt it was a matter that the Committee should be aware of. Halik also suggested that it may be prudent to consider the design/build approach for completion of the Phase II work in order to obtain a better price. If that were to occur, there would be no bid stringing concern since a different firm would complete the Phase II work. Trustee Mistele recommended that the architect should use the current Parks & Recreation Program Guide to assist in determining the uses of the interior spaces within the building. He also suggested that we consider the pylon wall and canopy design that is present at the two other buildings within the municipal complex. Halik responded that staff was attempting to keep the project costs low, so that same entrance monument design was not included. It was also felt that the improved

entrance could be completed at a later time, when additional funding was available. Trustee Mistele recommended that it be done as part of the exterior façade renovations within the Phase I work. He further suggested that it be included as a bid alternate on the project. Halik agreed that completing the entrance work within Phase I would make sense, it was just the increased cost staff was trying to avoid. Halik advised that staff would speak to the architect about including it as a bid alternate so a decision could be made after the cost is known. The Committee recommended approval of the architectural contract to begin design and bid document work on the 825 Midway Drive building.

***** Chairman Paul Oggerino and Trustee Gayle Neal arrived at 5:17 PM *****

3. APPROVAL OF MINUTES

- a) After review of the draft minutes from the July 9, 2018 regular meeting of the Municipal Services Committee, Chairman Paul Oggerino made a motion to approve the minutes as presented. Trustee Terrence Kelly seconded the Motion. Motion Carried

5. DISCUSSION – Requests of Republic Services due to Changes in Recycling

Administrator Halik provided background on this item and reminded the Committee that two representatives from Republic Services had attended the July 9th Municipal Services Committee meeting to make two requests of the Village due to cost increases incurred in the separation and disposal of Willowbrook recyclables. Halik advised that Republic Services is requesting: 1) Assistance from the Village in educating residents on contamination of recyclables, and 2) Consideration of a \$1.70 per month per account cost increase to help defray the increased cost of separating and disposing of Willowbrook recycling materials. Halik advised that since that time staff had performed some research and spoke to other towns. It appears that Republic Services is the only scavenger that we know of in our area that is requesting a price increase. At least two other scavenger companies, one of which is Groot serving Burr Ridge, is experiencing the same issue but has decided to absorb the cost increase for now rather than seeking additional revenue from accounts. Halik further advised that there are approximately 1,400 Republic Services accounts in Willowbrook, so the annual cost increase would be approximately \$30,000 on an approximate \$500,000 contract. The Village's current contract with Republic Services doesn't end until December 31, 2019 and prices to be charged are contained within the contract. So, Halik reminded the Committee that this was just a request from Republic Services. Both Chairman Oggerino and Trustee Kelly advised that they have been made aware of this same issue from the scavenger companies that serve their condominium associations, but neither of those companies were seeking a price increase at this time. The Committee agreed that additional education on recycling contamination would be beneficial to all and that a more instructive brochure is needed. Halik shared that he had raised that issue at a DuPage Mayors & Managers Conference Regulatory Issues Committee meeting. One of the members recommended that DuPage County staff get involved to publish such materials, since this issue is affecting all DuPage County municipalities. In conclusion, the Committee advised that they would not agree to a rate increase with 1½ years left on the contract. Halik stated that he and Monteleone would advise Republic Services accordingly.

6. REPORTS – Municipal Services Department

- a. Administrator Halik reviewed the monthly permit activity report for the month of July 2018. Halik advised that the Village received about \$87,700 in permit revenue

for the month. Halik advised that for the first three months in fiscal year 2018/19, the department has brought in a total of approximately 81% of the budgeted revenue, indicating a high level of construction activity.

- b. Administrator Halik reviewed the water system pumpage report for the month of June 2018. The report indicates that the Village pumped 37,621,000 gallons of water in the month. This volume represents a 12.7% increase when compared to the pumpage in the first two months of FY 2017/18.
- c. Administrator Halik advised that the June 2018 Mosquito Abatement Program Update was for information only, but called attention to the recent light trap counts included at the middle of page 5 of the report. Halik advised that staff closely monitors the light trap counts and prevailing weather conditions. Halik advised that thus far in the mosquito season, the Mayor has authorized two Village-wide spray applications – one occurring on July 1st, in anticipation of 4th of July holiday celebrations, and the second on August 7th. Halik advised that the FY 2018/19 budget includes funding for two Village-wide spray applications, but if additional applications are deemed to be necessary, the budget would merely go over.
- d. Administrator Halik advised that the June and July 2018 Scavenger Report is for information only.

7. VISITOR'S BUSINESS

(None)

8. COMMUNICATIONS

- a) Surface Transportation Program (STP) Changes

Administrator Halik and Trustee Neal advised the Committee that changes were occurring to the allocation of funds and methodology of awarding Federal STP grants. This is why there was no STP grant cycle offered this year. Halik advised that the presentation material included in the agenda packet is very detailed info, but was merely meant to illustrate the nature of the changes that are occurring to the program. Although the final changes have not yet been approved by the Chicago Metropolitan Agency for Planning, Halik believes that the info contained in the packet will likely represent what the changes will be. Halik and Trustee Neal explained that more of the available Federal money will be allocated to larger regional projects and the criteria for being awarded a local project will be very different and based on items such as whether the project will create population/job benefits, include green infrastructure, and be public transit supportive. In addition, the types of eligible projects have changed as well. Halik advised that regional projects must have a minimum project cost of \$5 million or be a multijurisdictional project. The first call to submit applications for regional projects will occur in January of 2019. The first call to submit applications for local projects will occur in January of 2020. Halik advised that the Village has been very fortunate in the past to receive a fair number of STP grants that helped offset capital improvement costs in our annual roadway maintenance program. However, he is unsure whether we will be in a position to score favorably to obtain additional grants once the changes are put into effect. With regard to regional projects, Halik cautioned that although we could submit joint applications with surrounding towns and other agencies, the nature of those projects

may be work that the Village otherwise did not intend to complete. If awarded, we would then be responsible for paying the local share of a project that may not have been included in our long-range capital improvement planning. Halik also stated that state Motor Fuel Tax receipts continue to decline based on a number of factors including electric vehicles. Since that is the money available to us to conduct our annual roadway maintenance program, each year's program is becoming smaller and smaller in scope due to the reduction of funds. Halik advised that at some point he foresees that the General Fund will need to begin supplementing the MFT Fund in order to complete the scope of work necessary from year to year to maintain Village streets. Between the changes to the STP grants and the continuing reduction of MFT receipts, additional funding sources will need to be considered for street maintenance.

9. ADJOURNMENT

Motion to adjourn was made by Chairman Oggerino. Seconded by Trustee Kelly. The meeting was adjourned at 6:10 PM.

(Minutes transcribed by: Tim Halik, 8/15/18)

MUNICIPAL SERVICES COMMITTEE MEETING**AGENDA ITEM SUMMARY SHEET****AGENDA ITEM DESCRIPTION****DISCUSSION – VILLAGE-WIDE FALL BRUSH COLLECTION PROGRAM****COMMITTEE REVIEW**

Finance/Administration
 Municipal Services
 Public Safety

Meeting Date:
September 10, 2018

Discussion Only Approval of Staff Recommendation (for consideration by Village Board at a later date)
 Seeking Feedback Approval of Staff Recommendation (for immediate consideration by Village Board)
 Regular Report Report/documents requested by Committee

BACKGROUND

This past Spring, the Village's EAB abatement tree contractor, NJ Ryan Tree & Landscape, LLC, completed the Village-wide brush collection program. The program included curb-side collection of piled brush throughout town with the resulting chipped hauled away. The program was completed on-time and without incident, and the Village also received several compliments from residents commenting on the good site clean-up practices of the contractor.

The Fall 2018 program will also consist of a curb-side chipping program. NJ Ryan Tree & Landscape, LLC. has offered a proposal to complete the program at the same price as the Spring program. Staff has attempted to solicit proposals from other local landscape maintenance contractors, however, they have been largely unresponsive, likely due to the fact that in the past they have been unable to come in lower than NJ Ryan's price. Therefore, the Village-wide Fall collection program can be completed by NJ Ryan for \$9,800.

STAFF RECOMMENDATION

The cost of the Fall brush collection program would be \$9,800. This includes two (2) chipping crews working 40 hours each to complete the collection. The F.Y. 2018/19 Budget includes the following funding to conduct both the Spring and Fall Brush Collection Programs:

<u>FUND</u>	<u>ACCOUNT</u>	<u>DESCRIPTION</u>	<u>BUDGET</u>
PW – Street Maint.	01-35-755-284	Reimb. Exp. – Brush Pick-Up	\$20,000

NJ RYAN TREE & LANDSCAPE LLC
17271 IL ROUTE 23
DEKALB, IL 60115

Estimate

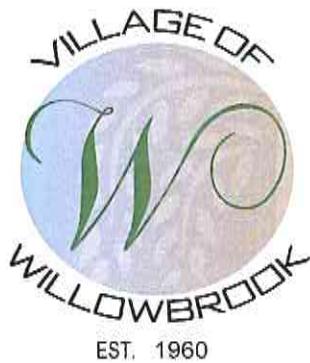
Date	Estimate #
8/29/2018	129

Name / Address
Village of Willowbrook



Description	Qty	Cost	Project
			Total
Fall brush pickup		9,800.00	9,800.00
Total			\$9,800.00

Customer Signature _____



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MONTHLY REPORT
MUNICIPAL SERVICES DEPARTMENT
August, 2018

Mayor

Frank A. Trilla

Permits Issued:	
Back Vent Duct	1
Boiler	1
Concrete	4
Door	4
Driveway	2
Fire Repair	2
Fence	1
Flag Pole	1
HVAC	1
Interior Remodel	4
Irrigation	1
Patio	4
Re-occupancy	2
ROW	1
Roof	7
Sign	1
Security System	1
SFR, New	1
TOTAL	39

Village Clerk

Leroy R. Hansen

Village Trustees

Sue Berglund
Umberto Davi
Terrence Kelly
Michael Mistele
Gayle Neal

Paul Oggerino

Village Administrator

Tim Halik

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Robert Schaller

Director of Finance

Carrie Dittman

Plan Review Deposit Fee
Permit Revenue for August, 2018 **\$42,766.17**

Total Revenue Collected for Fiscal YTD **\$ 249,754.11**

Total Budgeted Revenue for Fiscal Year 2018/19 **\$ 255,000.00**

Total Percentage of Budgeted Revenue
Collected to Date **97.94%**

Certificate of Occupancy, Final **10**
Certificate of Occupancy, Temporary **3**

Respectfully submitted,

Timothy Halik
Village Administrator

TH/LJS



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MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE

Fiscal Year 2018-2019

MONTH	CURRENT FISCAL YEAR		PRIOR FISCAL YEAR
	2018-2019	2017-2018	
MAY	\$ 53,371.02	\$ 74,721.15	
JUNE	\$ 65,924.20	\$ 18,289.54	
JULY	\$ 87,692.72	\$ 35,679.59	
AUGUST	\$ 42,766.17	\$ 65,281.45	
SEPTEMBER		\$ 47,252.63	
OCTOBER		\$ 60,248.25	
NOVEMBER		\$ 43,329.42	
DECEMBER		\$ 12,100.70	
JANUARY		\$ 62,793.69	
FEBRUARY		\$ 27,672.56	
MARCH		\$ 29,264.69	
APRIL		\$ 150,359.86	
COLLECTED REVENUE	\$ 249,754.11	\$ 626,993.53	
BUDGETED REVENUE	\$ 255,000.00	\$ 245,500.00	
REVENUES COLLECTED- (OVER)/UNDER BUDGET	\$ 5,245.89	\$ (381,493.53)	
PERCENTAGE OF BUDGETED REVENUE COLLECTED	97.94%	255.39%	

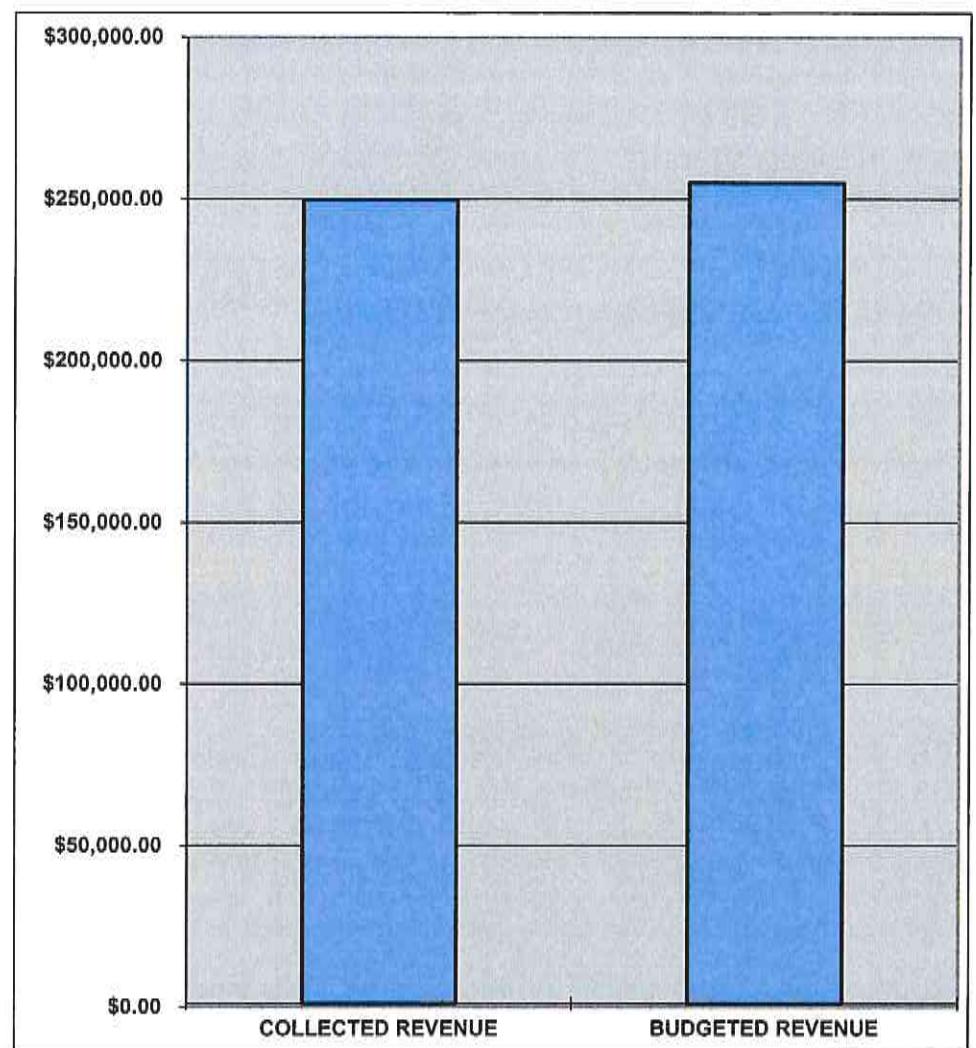
MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE

	Fiscal Year 18/19	Fiscal Year 17-18
COLLECTED REVENUE	\$ 249,754.11	\$ 626,933.53
BUDGETED REVENUE	\$ 255,000.00	\$ 245,500.00

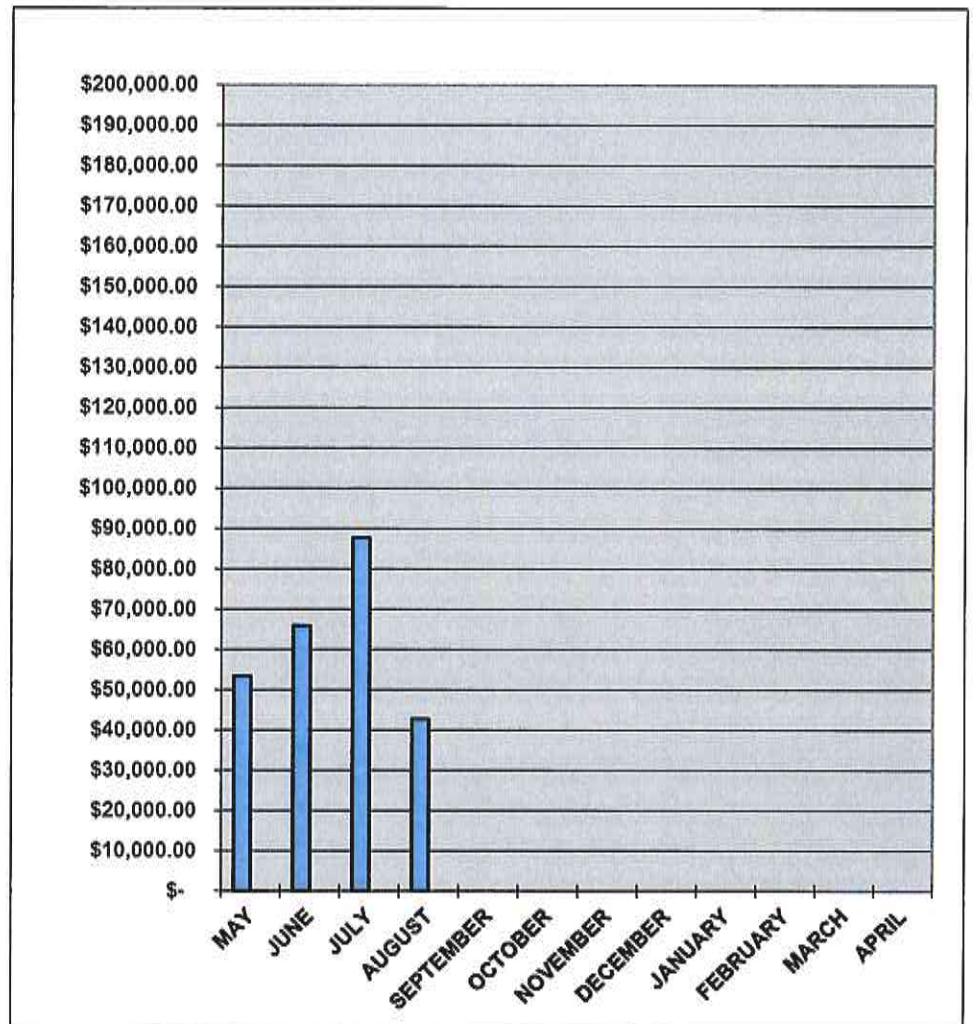
MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE



MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE



Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
			Fund 01 GENERAL FUND				
08/01/2018			01-00-310-401 BUILDING PERMITS		BEG. BALANCE		(204,206.14)
08/01/2018	CR	RCPT	Building Dept. Invoice 08/01/2018		110.00		(204,316.14)
08/02/2018	CR	RCPT	Building Dept. Invoice 08/02/2018		13,558.28		(217,874.42)
08/03/2018	CR	RCPT	Building Dept. Invoice 08/03/2018		11,153.18		(229,027.60)
08/06/2018	CR	RCPT	Building Dept. Invoice 08/06/2018		50.00		(229,077.60)
08/06/2018	CR	RCPT	Building Dept. Invoice 08/06/2018		200.00		(229,277.60)
08/07/2018	CR	RCPT	Building Dept. Invoice 08/06/2018		275.00		(229,552.60)
08/07/2018	CR	RCPT	Building Dept. Invoice 08/07/2018		75.00		(229,627.60)
08/08/2018	CR	RCPT	Building Dept. Invoice 08/07/2018		1,240.00		(230,867.60)
08/08/2018	CR	RCPT	Building Dept. Invoice 08/08/2018		100.00		(230,967.60)
08/09/2018	CR	RCPT	Building Dept. Invoice 08/08/2018		856.88		(231,824.48)
08/13/2018	CR	RCPT	Building Dept. Invoice 08/09/2018		75.00		(231,899.48)
08/13/2018	CR	RCPT	Building Dept. Invoice 08/13/2018		325.00		(232,224.48)
08/14/2018	CR	RCPT	Building Dept. Invoice 08/13/2018		350.00		(232,574.48)
08/15/2018	CR	RCPT	Building Dept. Invoice 08/14/2018		50.00		(232,624.48)
08/16/2018	CR	RCPT	Building Dept. Invoice 08/15/2018		4,075.00		(236,699.48)
08/16/2018	CR	RCPT	Building Dept. Invoice 08/16/2018		275.00		(236,974.48)
08/17/2018	CR	RCPT	Building Dept. Invoice 08/16/2018		325.00		(237,299.48)
08/20/2018	CR	RCPT	Building Dept. Invoice 08/17/2018		1,125.00		(238,424.48)
08/22/2018	CR	RCPT	Building Dept. Invoice 08/20/2018		350.00		(238,774.48)
08/24/2018	CR	RCPT	Building Dept. Invoice 08/22/2018		70.00		(238,844.48)
08/27/2018	CR	RCPT	Building Dept. Invoice 08/24/2018		2,000.00		(240,844.48)
08/27/2018	CR	RCPT	Building Dept. Invoice 08/27/2018		770.00		(241,614.48)
08/28/2018	CR	RCPT	Building Dept. Invoice 08/27/2018		875.00		(242,489.48)
08/28/2018	CR	RCPT	Building Dept. Invoice 08/28/2018		1,333.35		(243,822.83)
08/28/2018	CR	RCPT	Building Dept. Invoice 08/28/2018		75.00		(243,897.83)
08/30/2018	CR	RCPT	Building Dept. Invoice 08/28/2018		2,790.00		(246,687.83)
08/31/2018	CR	RCPT	Building Dept. Invoice 08/30/2018		50.00		(246,737.83)
08/31/2018			Building Dept. Invoice 08/31/2018	END BALANCE	0.00	42,531.69	(246,737.83)

09/04/2018 11:22 AM
User: JKufrin
DB: Willowbrook

GL ACTIVITY REPORT FOR WILLOWBROOK
FROM 01-00-310-402 TO 01-00-310-402
TRANSACTIONS FROM 08/01/2018 TO 08/31/2018

Page: 1/1

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
Fund 01 GENERAL FUND							
08/01/2018			01-00-310-402 SIGN PERMITS			BEG. BALANCE	(3,081.80)
08/07/2018	CR	RCPT	Building Dept. Invoice 08/07/2018	01-00-310-402		234.48	(3,316.28)
08/31/2018					END BALANCE	0.00	234.48 (3,316.28)

VILLAGE OF WILLOWBROOK - PUMPAGE REPORT
TOTAL GALLONS PUMPED
FY 2002/03 - FY 2017/18

Month	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
May	32,267,000	33,518,000	35,018,000	35,919,000	35,162,000	36,696,000	33,890,000	31,322,000	31,715,000	30,725,000	34,220,000	30,860,000	29,547,000	29,213,000	31,048,000	28,681,000	32,538,000
June	38,911,000	38,691,000	35,447,000	48,511,000	42,471,000	43,700,000	33,817,000	32,087,000	31,799,000	32,620,000	44,635,000	31,512,000	32,193,000	29,447,000	34,451,000	33,573,000	37,621,000
July	52,100,000	39,116,000	41,248,000	52,479,000	43,279,000	44,574,000	41,463,000	36,819,000	38,513,000	41,371,000	49,498,000	39,106,000	33,122,000	32,813,000	34,898,000	34,333,000	36,319,000
August	44,167,000	40,433,000	41,059,000	47,861,000	41,114,000	38,778,000	43,017,000	38,516,000	38,745,000	35,639,000	40,272,000	41,448,000	32,796,000	36,985,000	32,739,000	33,061,000	
September	40,838,000	36,275,000	39,658,000	43,906,000	32,998,000	42,013,000	33,418,000	34,331,000	33,992,000	32,273,000	33,657,000	35,737,000	31,869,000	32,623,000	30,853,000	33,220,000	
October	33,128,000	31,667,000	33,765,000	35,009,000	31,937,000	34,612,000	30,203,000	28,919,000	33,789,000	29,892,000	30,283,000	29,226,000	28,728,000	30,690,000	27,589,000	27,807,000	
November	28,560,000	28,260,000	30,106,000	29,515,000	29,153,000	29,847,000	28,054,000	26,857,000	28,125,000	27,138,000	27,535,000	28,446,000	25,364,000	26,585,000	25,929,000	25,066,000	
December	30,503,000	29,133,000	32,786,000	31,086,000	30,102,000	31,435,000	29,568,000	28,931,000	29,257,000	28,643,000	27,863,000	29,847,000	26,710,000	27,194,000	26,581,000	26,480,000	
January	30,343,000	29,602,000	31,223,000	29,411,000	30,340,000	32,444,000	29,383,000	28,123,000	28,401,000	28,846,000	28,427,000	31,265,000	28,505,000	27,915,000	26,165,000	26,040,000	
February	27,216,000	28,755,000	26,768,000	27,510,000	29,078,000	29,470,000	26,629,000	25,005,000	24,988,000	26,635,000	24,308,000	29,230,000	25,484,000	26,048,000	22,962,000	22,950,000	
March	29,488,000	30,315,000	30,025,000	29,905,000	30,362,000	31,094,000	28,408,000	27,945,000	27,909,000	28,911,000	27,862,000	29,917,000	28,779,000	26,552,000	25,855,000	25,388,000	
April	29,845,000	29,350,000	29,478,000	30,452,000	29,468,000	30,239,000	27,193,000	27,793,000	27,145,000	34,220,000	27,514,000	28,101,000	25,255,000	26,791,000	24,720,000	24,583,000	
TOTAL	417,366,000	395,115,000	406,581,000	441,564,000	405,464,000	424,902,000	385,043,000	366,648,000	374,378,000	376,913,000	396,074,000	384,695,000	348,352,000	352,856,000	343,790,000	341,182,000	106,478,000

YEAR TO DATE LAST YEAR (gallons):

96,587,000

YEAR TO DATE THIS YEAR (gallons):

106,478,000

DIFFERENCE (gallons):

9,891,000

PERCENTAGE DIFFERENCE (+/-):

10.24%

FY18/19 PUMPAGE PROJECTION (gallons):

350,000,000

FY18/19 GALLONS PUMPED TO DATE:

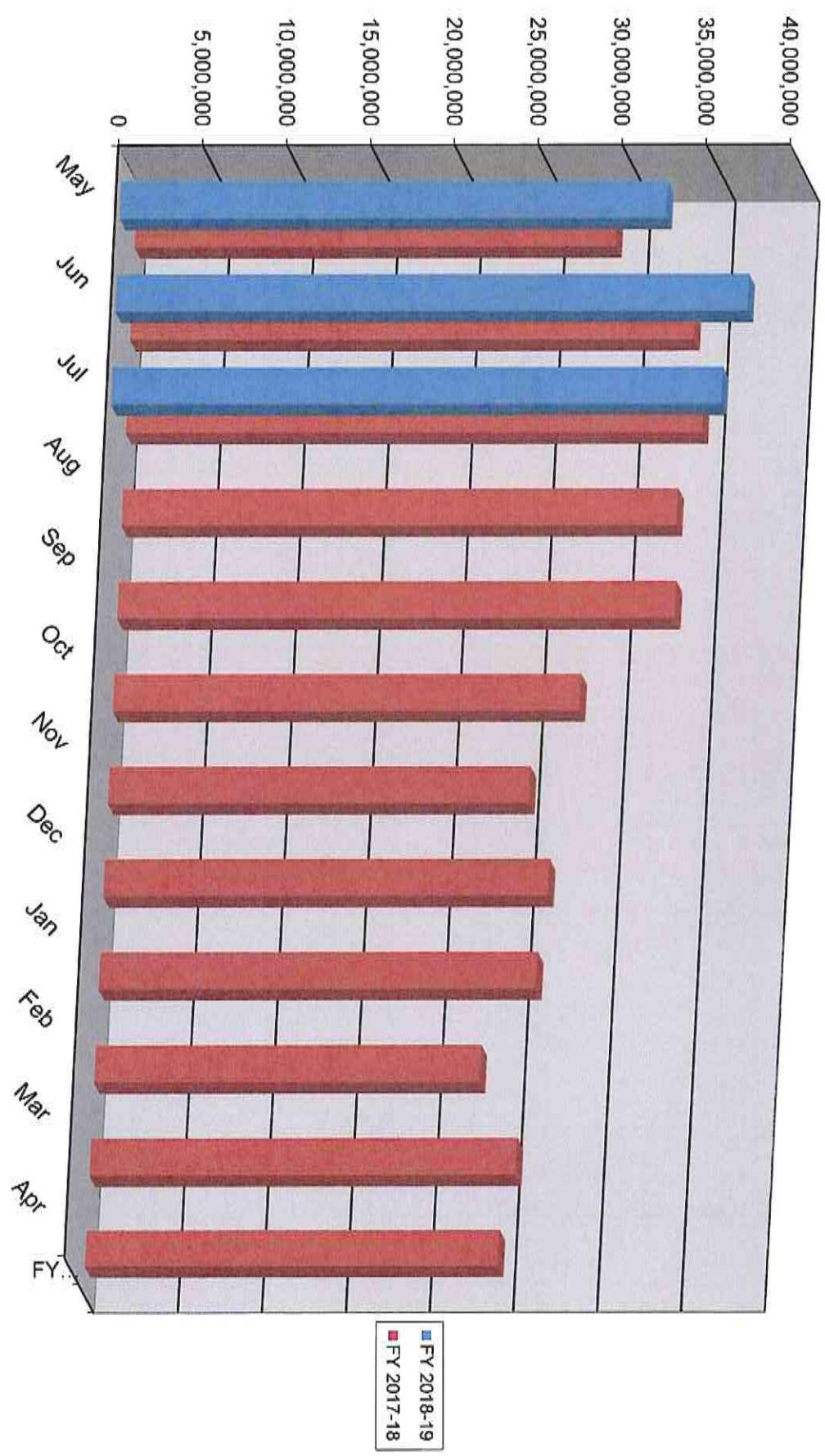
106,478,000

CURRENT PERCENTAGE
PUMPED COMPARED TO

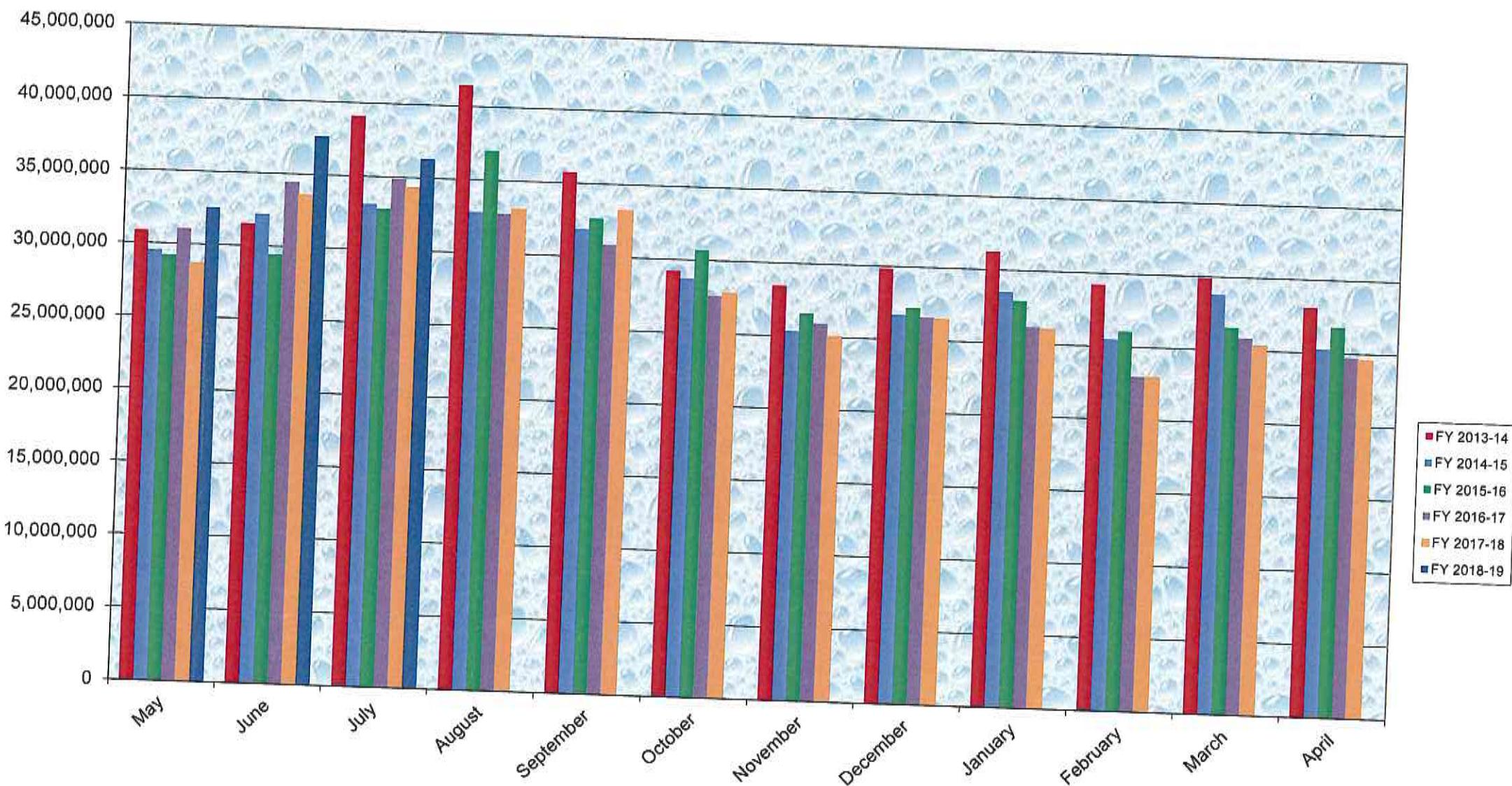
30.42%

All table figures
are in millions
of gallons sold
on a monthly
basis per fiscal
year.

Monthly Pumpage Chart



Village of Willowbrook Pumpage Report





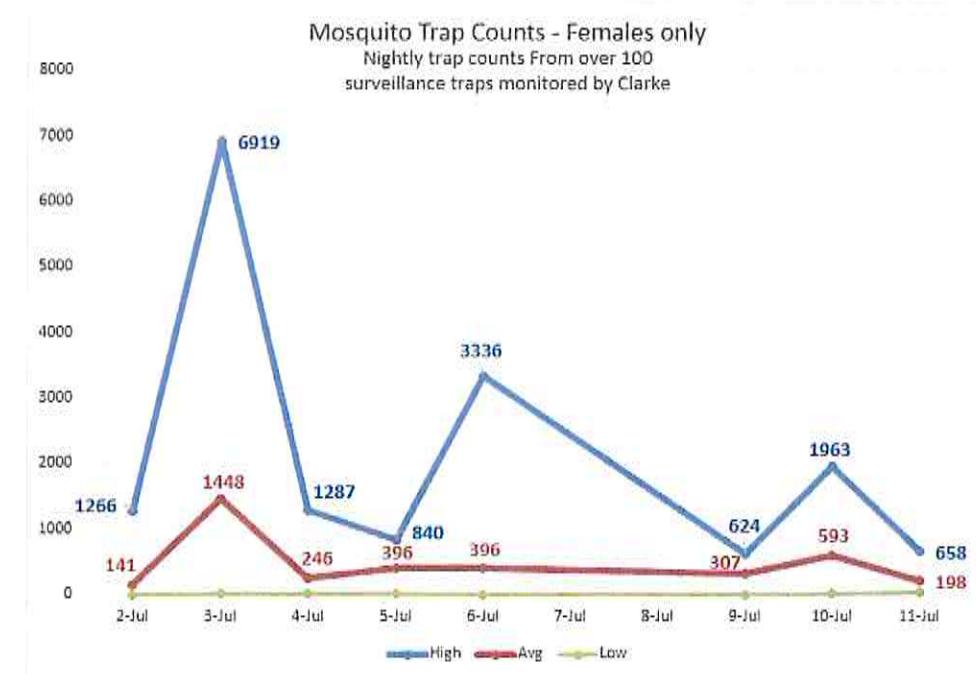
Village of Willowbrook July 2018 - Status Report

SEASON PERSPECTIVE

Introduction. Weather conditions critically affect the seasonal mosquito population. Excessive rainfall periods trigger hatches of floodwater mosquitoes (*Aedes vexans*), the dominant annoyance species in northern Illinois that has a flight range of 15 to 20 miles. The other target species is the northern house mosquito (*Culex pipiens*), the primary vector of West Nile virus (WNV) that flourishes under stagnant water and drought conditions.

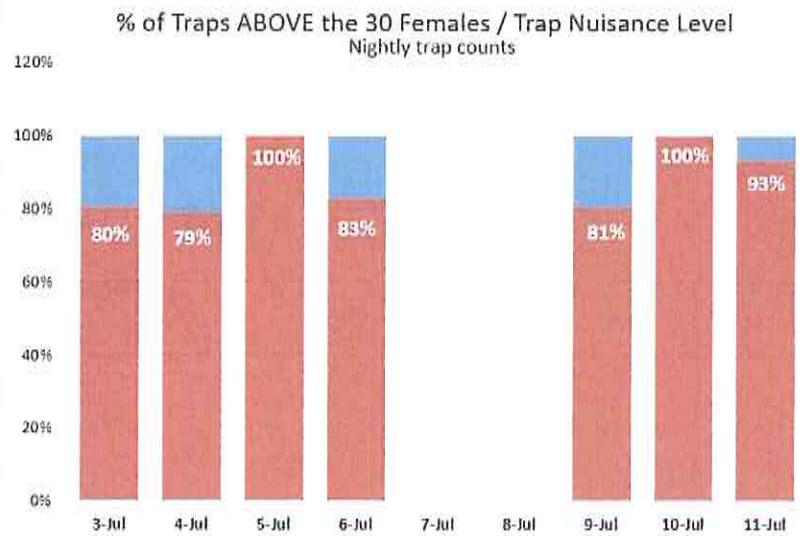
June was the 14th wettest June on record in Illinois and the statewide temperature was above normal too. **This combination of record precipitation, periods of high temperatures, and high humidity triggered one of the heaviest floodwater mosquito populations in the past 30 years!**

A series of 7 June rainfalls triggered the hatching of back-to-back floodwater mosquito (*Aedes vexans*) broods to hit by mid-July. Clarke operates a network of 100 New Jersey light traps to monitor the seasonal adult mosquito population. A count of 30 female mosquitoes is considered to be "the annoyance level." The following graphs show the intensity and record trap counts during the first 11 days of July:

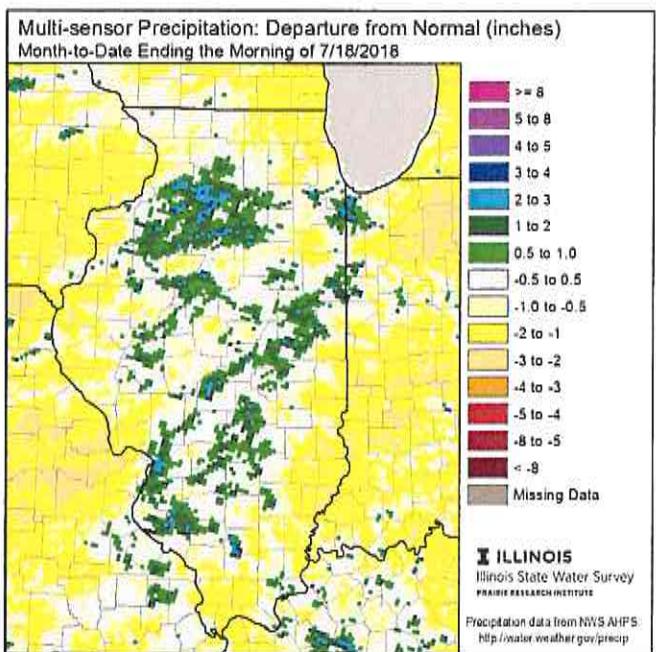




Program Update



By contrast to June, the first half of July precipitation was much below normal in northeastern Illinois while temperatures remained above normal. The following Illinois State Water Survey map shows the 1 to 2 inch rainfall deficit in the Chicagoland area through July 18th:



The last significant June rainfall at O'Hare was on 6/26. After a 24 day dry spell, the first major July rainfall occurred on 7/20 that will cause the next floodwater mosquito brood to impact the area on August 3rd. July rainfall throughout most of northern Illinois was less than 3 inches, well below average. July 2018 was the 7th driest on record, creating conditions conducive to *Culex* and WNV development.



Strategy and Recommendations. While the July dry spell curtailed floodwater mosquito activity, *Culex* development increased across the Chicagoland area triggering a significant spike in WNV activity. There were many Chicagoland area reports of WNV+ mosquitoes and two announced human cases in late July. Because of the WNV activity spike, Clarke operations will focus on *Culex* mosquito larval development, including the booster treatment of street catch basins, a primary habitat for this species. Following Centers for Disease Control & Prevention (CDC) guidelines: *"Adult mosquito control is also intended to reduce the abundance of biting, infected adult mosquitoes in order to prevent them from transmitting WNV to humans and to break the mosquito-bird transmission cycle."* Therefore, cyclic truck ultra-low volume (ULV) adulticide applications will be recommended to suppress the adult mosquito population and protect the public health from WNV. The Clarke Mosquito Hotline (800-942-2555) is available to citizens to report standing water situations and excessive biting annoyance.

Floodwater Mosquito Brood Prediction

The floodwater mosquito (*Aedes vexans*) is the key nuisance species in the Chicagoland area. Distinct hatches of floodwater mosquito populations, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from a weather station in your area.

Weather Station Name	Rainfall Date	Rain Amount	Brood Prediction Date
Du Page Co.	06/21/2018	1.12	07/07/2018
Du Page Co.	06/22/2018	0.76	07/08/2018
Du Page Co.	06/26/2018	0.49	07/13/2018
Du Page Co.	07/20/2018	0.70	08/08/2018



MOSQUITO-BORNE DISEASE UPDATE

West Nile Virus (WNV)

2018 - USA. As of July 24, 2018, a total of 36 states have reported West Nile virus infections in people, birds, or mosquitoes in 2018. Overall, 39 cases of West Nile virus disease in people have been reported to CDC. Of these, 23 (59%) were classified as neuroinvasive disease (such as meningitis or encephalitis) and 16 (41%) were classified as non-neuroinvasive disease. (<https://www.cdc.gov/westnile/statsmaps/index.html>). The following map shows current WNV activity across the United States:



2018 – ILLINOIS. To date, the Illinois Department of Public Health (IDPH) has reported two WNV human cases in DuPage County (Wheaton) and Will County (Aurora). Overall, thirty-eight (38) Illinois counties have reported WNV activity in mosquitoes, including most counties in northern Illinois.

The following chart compares 2018 year-to-date IDPH WNV surveillance data to 2017 and the 2012, the year in which 290 human cases were diagnosed in the State of Illinois:

County	American Crow	Blue Jay	Other Birds	Mosquito Batches	Horse
COOK	0	0	1	501	0
DEKALB	1	0	0	2	0
DUPAGE	0	0	0	60	0
KANE	0	0	0	11	0
LAKE	1	0	1	18	0
MCHENRY	0	0	0	5	0
WILL	0	0	0	22	0
WINNEBAGO	1	0	0	13	0
TOTAL	6	0	2	742	0



Zika virus (ZIKV)

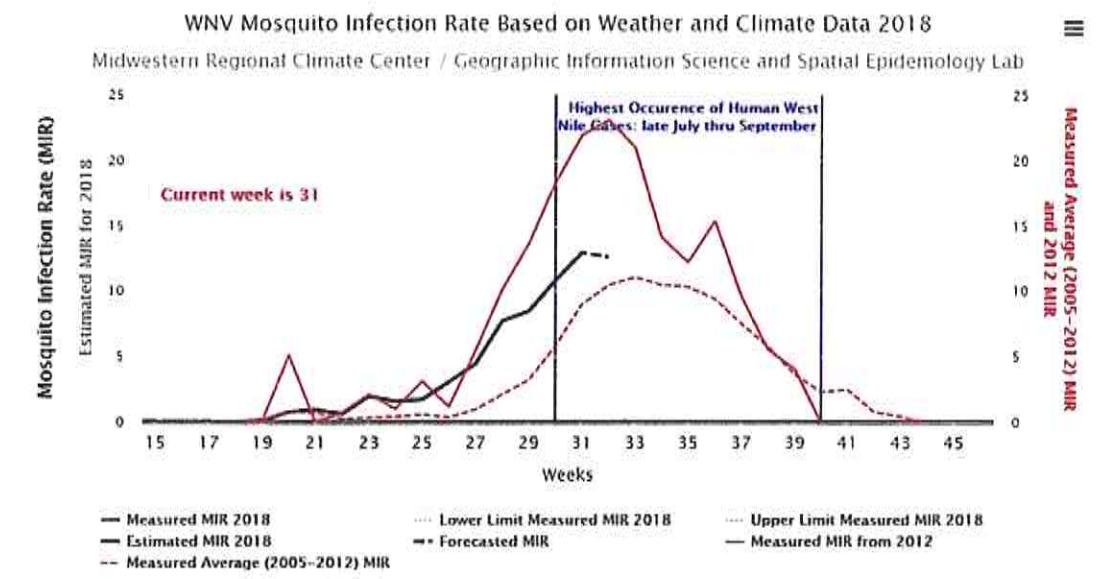
In 2016, the continental United States endured a major ZIKV outbreak with more than 5,100 travel-related nationwide and 139 locally transmitted cases in areas of south Florida. In 2017, the ZIKV human case count was dramatically diminished in the continental United States with the CDC reporting 407 cases with the following breakdown:

- 398 – travelers returning from affected areas
- 4 – through presumed local transmission in Florida and Texas
- 5 – through sexual transmission

Provisional ZIKV Data as of July 3, 2018.

Zika Case Origin	Human Case Count	
	USA	US Territories
Travelers from affected areas	28	0
Presumed local transmission	0	67
Acquired via sexual transmission	0	0
YTD TOTAL	21	45

Midwest Regional Climatic Center (MRCC) WNV Prediction Model – Week 31 – 8/2/18





Program Update

New Jersey Light Trap Counts

(*Red numbers indicate an annoyance level)

Trap Location	Jul 02	Jul 04	Jul 06	Jul 09	Jul 11	Jul 13	Jul 16	Jul 18	Jul 20	Jul 23	Jul 25	Jul 27	Jul 30
Willowbrook Community Park Midway Dr	101	95	111	54	99	51	101	13	14	21	39	24	21

*Mal - trap malfunction

Upcoming August 2018 Operations

Work Type	Number of Treatments
Catch Basin Treatment	1
Culex Inspection	2

Services Performed July 2018:

Service Item	Start Date
ROS2552 - Merus Truck ULV	07/01/2018
ROS1302 - Targeted Site Larval Insp Serv	07/05/2018
ROS2551 - Merus 4th of July Truck ULV	07/12/2018
ROS1352 - Larval Site Service Call	07/17/2018
ROS1302 - Targeted Site Larval Insp Serv	07/19/2018