

AGENDA

Board of Public Works Meeting
Tuesday, June 27, 2017 - **7:00 p.m.**
Jackson Village Hall
N168W20733 Main Street
Jackson WI 53037

1. Call to Order and Roll Call.
2. Approval of Minutes for May 30, 2017, meeting.
3. Review of Storm Water Drainage Stonehedge Drive.
4. Review of Change Order #2 Chateau Dr Reconstruction Project.
5. Review of Pay Request #3 Chateau Dr Reconstruction Project.
6. Discussion on Special Assessment for final lift of asphalt.
7. Resolution 17-14 – Adopting 2016 CMAR for Jackson Sewer Utility.
8. Director of Public Works Report.
9. Citizens/Village Staff to address the Board.
10. Adjourn.

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

Public Works Report

June 27, 2017

Treatment Plant - Designed Capacity – 1.67 million gallons per day
 Peak Flow Capacity – 6.0 million gallons per day

Year 2015

January	Avg. Flow 667,774 g.p.d.	Min. Flow 617,000 g.p.d.	Max. 713,000 g.p.d.
February	Avg. Flow 620,893 g.p.d.	Min. Flow 591,000 g.p.d.	Max. 662,000 g.p.d.
March	Avg. Flow 753,484 g.p.d.	Min. Flow 597,000 g.p.d.	Max. 885,000 g.p.d.
April	Avg. Flow 1.203 MGD	Min. Flow 705,000 g.p.d.	Max. 3.759 MGD
May	Avg. Flow 775,323 g.p.d.	Min. Flow 584,000 g.p.d.	Max. 1.317 MGD
June	Avg. Flow 905,633 g.p.d.	Min. Flow 661,000 g.p.d.	Max. 1.409 MGD
July	Avg. Flow 696,290 g.p.d.	Min. Flow 571,000 g.p.d.	Max. 912,000 g.p.d.
August	Avg. Flow 726,935 g.p.d.	Min. Flow 558,000 g.p.d.	Max. 1.254 MGD
September	Avg. Flow 728,240 g.p.d.	Min. Flow 526,000 g.p.d.	Max. 1.364 MGD
October	Avg. Flow 505,516 g.p.d.	Min. Flow 409,000 g.p.d.	Max. 691,000 g.p.d.
November	Avg. Flow 696,800 g.p.d.	Min. Flow 494,000 g.p.d.	Max. 1.583 MGD
December	Avg. Flow 897,258 g.p.d.	Min. Flow 616,000 g.p.d.	Max. 1.799 MGD

Year 2016

January	Avg. Flow 611,323 g.p.d.	Min. Flow 451,000 g.p.d.	Max. 924,000 g.p.d.
February	Avg. Flow 640,793 g.p.d.	Min. Flow 496,000 g.p.d.	Max. 851,000 g.p.d.
March	Avg. Flow 821,839 g.p.d.	Min. Flow 567,000 g.p.d.	Max. 1.463 MGD
April	Avg. Flow 718,000 g.p.d.	Min. Flow 563,000 g.p.d.	Max. 1.079 MGD
May	Avg. Flow 615,000 g.p.d.	Min. Flow 490,000 g.p.d.	Max. 937,000 g.p.d.
June	Avg. Flow 622,700 g.p.d.	Min. Flow 513,000 g.p.d.	Max. 892,000 g.p.d.
July	Avg. Flow 690,935 g.p.d.	Min. Flow 457,000 g.p.d.	Max. 1.074 MGD
August	Avg. Flow 1.039 MGD	Min. Flow 822,000 g.p.d.	Max. 1.338 MGD
September	Avg. Flow 1.333 MGD	Min. Flow 813,000 g.p.d.	Max. 2.166 MGD
October	Avg. Flow 1.319 MGD	Min. Flow 949,000 g.p.d.	Max. 2.572 MGD
November	Avg. Flow 1.111 MGD	Min. Flow 859,000 g.p.d.	Max. 1.818 MGD
December	Avg. Flow 1.211 MGD	Min. Flow 889,000 g.p.d.	Max. 2.063 MGD

Year 2017

January	Avg. Flow 1.230 MGD	Min. Flow 979,000 g.p.d.	Max. 1.606 MGD
February	Avg. Flow 1.204 MGD	Min. Flow 926,000 g.p.d.	Max. 2.141 MGD
March	Avg. Flow 1.559 MGD	Min. Flow 1.09 MGD	Max. 2.398 MGD
April	Avg. Flow 1.552 MGD	Min. Flow 1.049 MGD	Max. 2.446 MGD
May	Avg. Flow 1.392 MGD	Min. Flow 666,000 g.p.d.	Max. 2.588 MGD

Years Summary of Water Consumption

2004 Total Pumpage 216,055,000 gallons	2005 Total Pumpage 223,215,000 gallons
2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	

Year 2015

Jan.	Avg.	599,680 g.p.d.	Highest Day 719,000 gals.	Total	18,590,000 gallons
Feb.	Avg.	587,040 g.p.d.	Highest Day 736,000 gals.	Total	16,437,000 gallons
March	Avg.	582,970 g.p.d.	Highest Day 698,000 gals.	Total	18,072,000 gallons
April	Avg.	601,370 g.p.d.	Highest Day 928,000 gals.	Total	18,041,000 gallons
May	Avg.	585,260 g.p.d.	Highest Day 698,000 gals.	Total	18,143,000 gallons
June	Avg.	640,430 g.p.d.	Highest Day 779,000 gals.	Total	19,213,000 gallons
July	Avg.	722,550 g.p.d.	Highest Day 989,000 gals.	Total	22,399,000 gallons
August	Avg.	733,420 g.p.d.	Highest Day 1.197 MGD	Total	22,736,000 gallons
Sept	Avg.	615,700 g.p.d.	Highest Day 753,000 gals.	Total	18,471,000 gallons
Oct	Avg.	594,840 g.p.d.	Highest Day 945,000 gals	Total	18,440,000 gallons
Nov	Avg.	492,630 g.p.d.	Highest Day 599,000 gals	Total	14,779,000 gallons
Dec	Avg.	555,480 g.p.d.	Highest Day 637,000 gals	Total	17,220,000 gallons

Year 2016

Jan.	Avg.	580,680 g.p.d.	Highest Day 734,000 gals.	Total	18,001,000 gallons
Feb.	Avg.	603,930 g.p.d.	Highest Day 710,000 gals.	Total	17,514,000 gallons
March	Avg.	586,650 g.p.d.	Highest Day 693,000 gals.	Total	18,186,000 gallons
April	Avg.	660,200 g.p.d.	Highest Day 1.021 MGD	Total	19,806,000 gallons
May	Avg.	681,130 g.p.d.	Highest Day 997,000 gals.	Total	21,115,000 gallons
June	Avg.	781,870 g.p.d.	Highest Day 1.113 MGD	Total	23,456,000 gallons
July	Avg.	865,610 g.p.d.	Highest Day 1.046 MGD	Total	26,834,000 gallons
August	Avg.	817,940 g.p.d.	Highest Day 1.084 MGD	Total	25,356,000 gallons
Sept	Avg.	700,630 g.p.d.	Highest Day 835,000 gals	Total	21,019,000 gallons
Oct	Avg.	738,520 g.p.d.	Highest Day 1.235 MGD	Total	22,894,000 gallons
Nov	Avg.	654,530 g.p.d.	Highest Day 829,000 gals	Total	19,636,000 gallons
Dec	Avg.	668,190 g.p.d.	Highest Day 779,000 gals	Total	20,714,000 gallons

Year 2017

Jan.	Avg.	630,710 g.p.d.	Highest Day 771,000 gals.	Total	19,552,000 gallons
Feb.	Avg.	640,790 g.p.d.	Highest Day 885,000 gals	Total	17,942,000 gallons
March	Avg.	611,520 g.p.d.	Highest Day 691,000 gals	Total	18,957,000 gallons
April	Avg.	703,070 g.p.d.	Highest Day 1.173 MGD	Total	21,092,000 gallons
May	Avg.	683,420 g.p.d.	Highest Day 988,000 gals	Total	21,186,000 gallons

Pump Capacity - Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17

2015	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,326,850			10,250	52,100	\$11,663.89
Feb	1,191,500			2,500	45,400	\$10,171.26
March	1,507,900			16,150	85,900	\$14,102.76
April	1,668,450			35,250	398,200	\$23,878.38
May	1,190,850			31,100	148,600	\$13,890.38
June	1,407,600			37,750	349,100	\$20,794.50
July	1,485,950			33,830	243,660	\$18,589.33
August	1,255,600			28,050	290,860	\$17,810.50
September	1,459,400			15,500	333,350	\$19,899.26
October	1,273,400	7,200		37,150	369,300	\$20,603.82
November	1,336,300			36,200	343,035	\$20,046.14
December	1,610,500			31,200	234,700	\$19,194.26

2016	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,359,400			3,500	47,700	\$11,528.02
Feb	1,443,000			1,500	31,350	\$11,666.26
March	1,515,950			5,600	102,900	\$14,166.14
April	1,600,500			25,000	284,250	\$20,110.01
May	1,560,350			24,000	246,200	\$18,817.63
June	1,551,600			49,100	257,900	\$20,048.50
July	1,195,900			21,850	278,400	\$16,803.25
August	1,506,850			29,750	276,250	\$19,397.63
September	1,501,850			48,550	373,430	\$22,541.63
October	1,447,150			126,250	389,054	\$25,629.98
November	1,471,800			40,900	343,250	\$21,255.76
December	1,657,250			11,250	225,160	\$18,508.38

2017	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,287,450			10,500	57,100	\$11,503.39
Feb	1,358,400		28,500	1,750	78,550	\$13,361.76
March	1,678,850		22,000	28,100	174,900	\$18,967.89

Final Lift for Developed Subdivisions

The final lift in Laurel Springs Subdivision Phase 1 has been completed. Working on a solution for the final lift of asphalt for English Oaks and Stonewall Development.

Rosewood Drive/TIF #4 Expansion Project

The property still has the potential of being developed. Lawsuit is pending.

GIS Program

Town and Country Engineering continues to work on the maps, and getting the tablets ready for accessing the maps. An instructional meeting for staff is being scheduled to increase map usage. Database and map connection is holding up the project.

Storm Water Management Plan

The ordinance is being finalized to be incorporated into the new Village Code. We will continue to monitor the system per the Storm Water Management Plan. The submittal deadline is June 30, 2017. The plan will be submitted prior to the deadline.

SCADA Upgrade Project

A loop meeting for the SCADA System Upgrade project was held on Tuesday, June 13th. Met for 8 hours to review and determine each waste water process at the plant for operation and data collection for reports. We are three quarters through the process and will meet again on Monday, June 26th to complete the task.

Wilshire Drive Project LRIP

All items have been completed with only the landscaping to be addressed. The Village and the contractor (Buteyn-Peterson) walked the entire project on Friday, June 23rd reviewing the necessary landscape repairs. The contractor will respond next week on a schedule for the repairs.

Industrial Drive Sidewalk Project

The Industrial Drive Sidewalk project has been completed and a walkthrough completed. The only item is the landscaping to be addressed in the year of 2017.

Stonewall Sidewalk Project

The asphalt sidewalk has been installed. The only item is repairing the retaining wall.

Space Needs Analysis Study

Cedar Corp team continues to meet with staff in developing plans for a new Safety Building.

Chateau Drive Reconstruction Project

The Village, Main contractor (Buteyn-Peterson), sub-contractor (Zenith Tech), and Gremmer & Associates walked the entire project on Friday, June 23rd reviewing the necessary punch list items.. The contractor will respond next week on a schedule for the repairs.

CTH P and STH 60 Intersection Project

Washington County Highway Department has contracted with Gremmer & Associates to start the design of the reconstruction of CTH P from STH 60 to a point north of Cedar Creek Road. A design kickoff meeting was held on Friday, June 9th. Discussion lead to the old park and riding and Washington County will be part of the conversion with WisDOT for the ownership of the land.

Respectfully submitted, Brian W. Kober, P.E.