

# Lake Michigan Water Update

September 10, 2013

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**Rudy Magna, Bill Rickert**

# Goals

- Update Board on evaluation criteria for water suppliers
- Obtain Board Direction on recapture
- Update & Next steps to identify a supplier
- Obtain Board Direction for internal improvements

# Evaluation Criteria for Suppliers

CLC JAWA	Criteria	NWC
No	Recapture (Screening criteria) (\$3.9 million Wauconda \$2.5 million Volo)	Yes
No	Maintenance Expense	Yes
Yes (\$15 million)	Connection Fees	No
Yes (1 of 12)	Member of Board	No (customer) Yes (See Ownership)
\$2.56/1000 gallons (+/- future bond obligation)	Wholesale Water Rate	\$1.71/1000 gallons (+/- annual adjustment)
Shorter Route	Easement Acquisition	Longer Route
Unknown	Contract/ Agreement with Supplier	Known
CLCJAWA owns asset	Ownership of transmission Lines	Own asset with partner.
Possibly Shorter	Timeline (Impacted by easement issue + partner financing)	Possibly Longer
Similar	Total Estimated Project Costs with Partner	Similar

# Obtain Board Direction on Recapture

- Maintain full recapture as screening criteria (estimated at \$3.9 million for Wauconda and \$2.5 million for Volo)
- Are there any objections to allowing the Planning Team to negotiate this issue?

# Update & Next Steps

- Wauconda Planning Team met with CLCJAWA Leaders
- Mayor Bart met with Mayors on CLCJAWA Board and requested a meeting with CLCJAWA Board and Wauconda Planning Team
- Plan team and Mayor Bart have requested meeting with Mayor of Volo regarding Recapture, Route Study and CLCJAWA Admissions Agreement
- Wauconda Planning Team Met with Lake Zurich Plan Team and established a tentative timeline

# Update & Next Steps

- Awaiting CLCJAWA Admissions Agreement for analysis
- This afternoon we received CLCJAWA proposed resolution to commit Wauconda to the principles of Admissions Agreement (R Manga)
- Wauconda Planning Team Presentation to CLCJAWA Board no later than the October CLCJAWA Board Meeting regarding Recapture, CLCJAWA proposed resolution and Schedule

# Update & Next Steps

- Plan Team Reports to Wauconda Village Board on outcome of meeting and seeks further direction
- Wauconda Planning Team Meet to with Lake Zurich Planning Team to assess their level of commitment in early November
- Plan Team Reports to Wauconda Village Board on outcome of meeting and seeks further direction
- Discuss CLCJAWA proposed resolution we received this afternoon with Attorney Magna in order to provide consensus

# Obtain Board Direction on Internal Improvements

- Significant improvements required to convert from well water supply to Lake Michigan Water Supply

8 wells/supply points

vs.

1 Lake Michigan Water supply point

# Obtain Board Direction on Internal Improvements

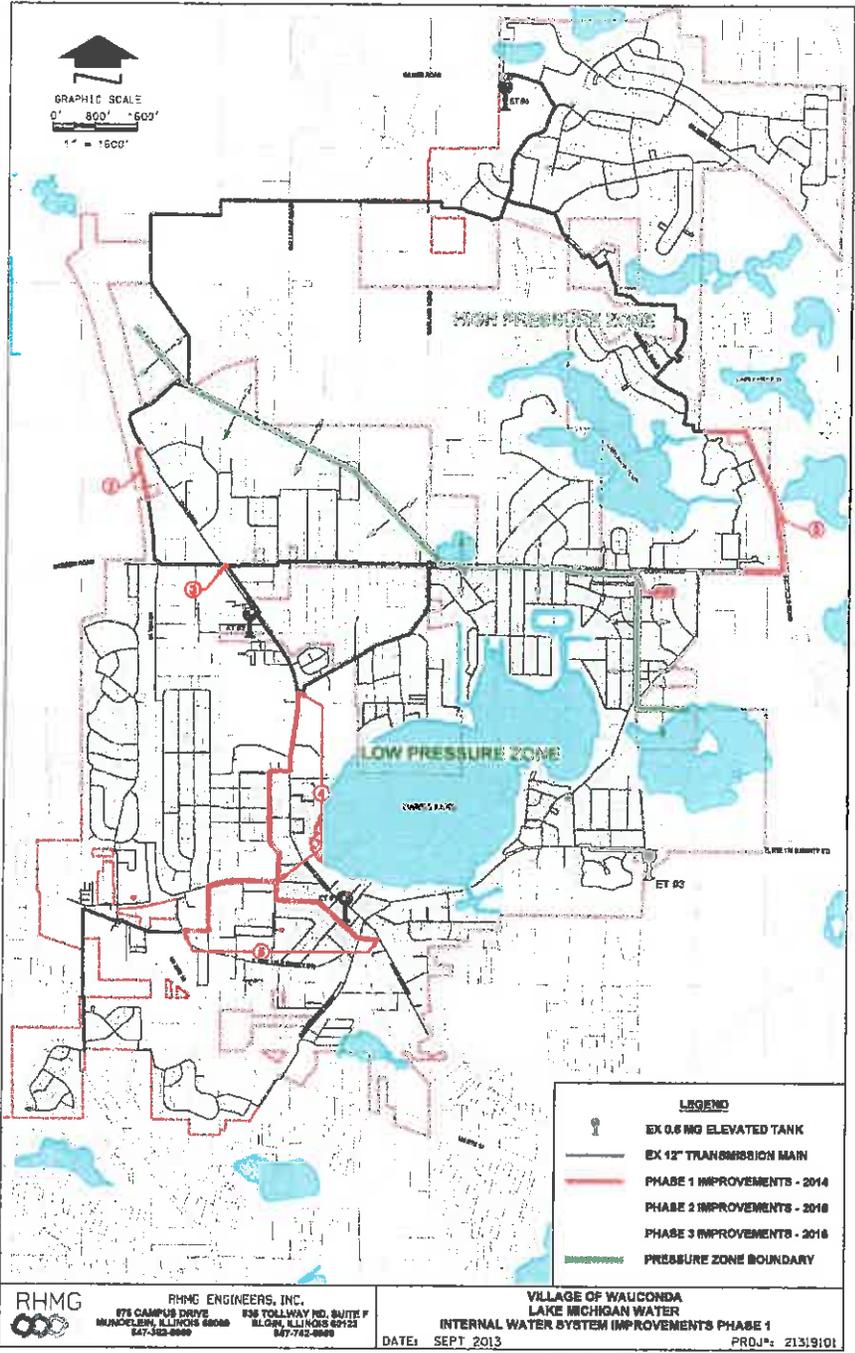
- Improvements include:
  1. Ground Storage Reservoir & Booster Pump Station
  2. 500,000 Gallon Elevated Storage Tank
  3. 12-inch Transmission Main Loops
    - In High Pressure Zone
    - In Low Pressure Zone
  4. Pressure Zone Boundary Adjustments

# Obtain Board Direction on Internal Improvements

- Majority of improvements are same regardless of which supplier is selected
- Improvements are extensive and widespread throughout the Village
- Desirable to phase over 2 to 3 years



# Village of Wauconda Lake Michigan Water Internal Water System Improvements Phase 1



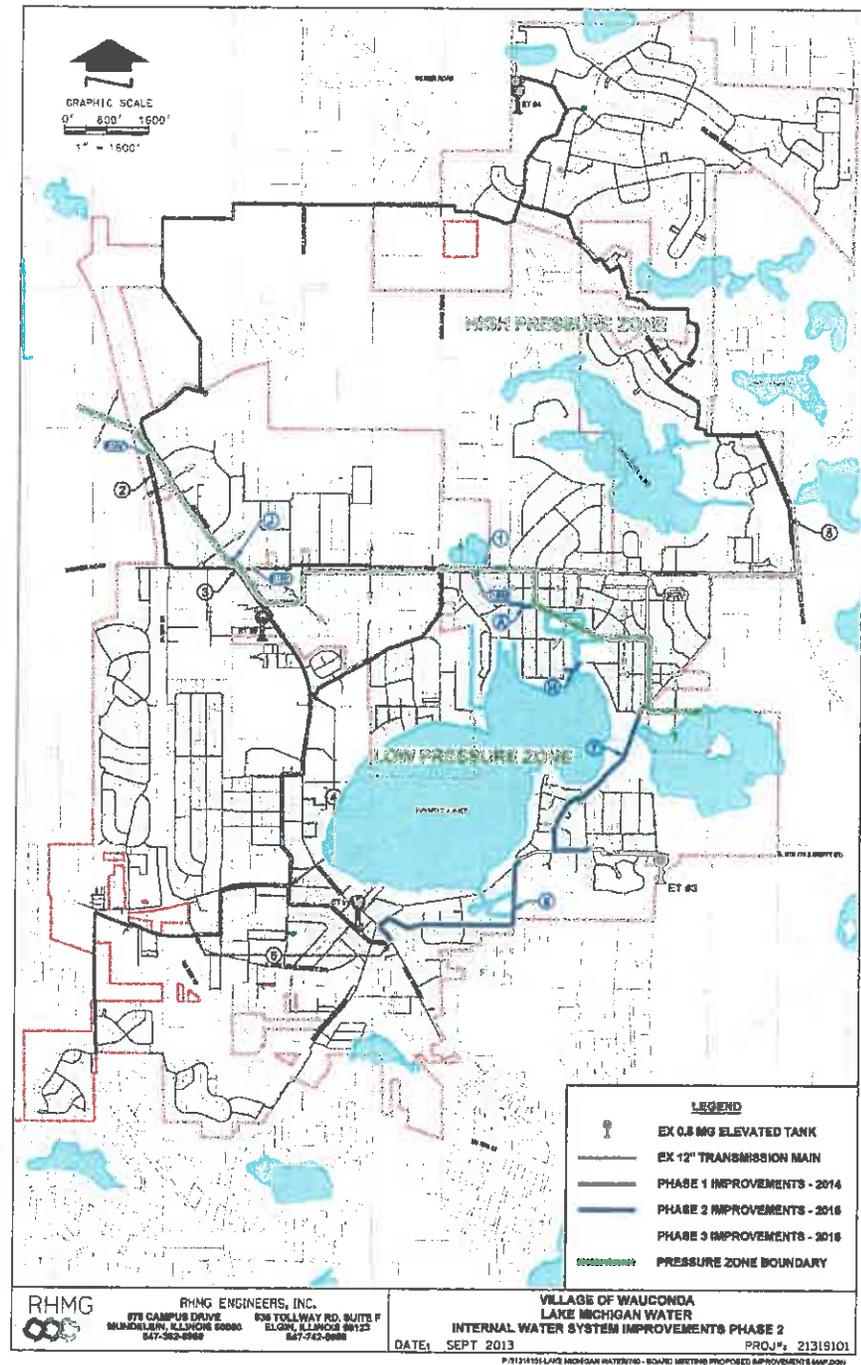
# Recommended Phasing

## Internal Water System Improvements

### Village of Wauconda Lake Michigan Water

<b>Phase 1 – 2014 Construction</b>	
12-inch Looped Transmission Main – Segments 2 thru 5 & 8	\$3,067,200
Grand Boulevard Pressure Reducing Valve	\$42,500
Subtotal Construction	\$3,109,700
Engineering (Design & Construction)	\$ 374,500
<b>Subtotal Phase 1</b>	<b>\$3,484,200</b>

# Village of Wauconda Lake Michigan Water Internal Water System Improvements Phase 2



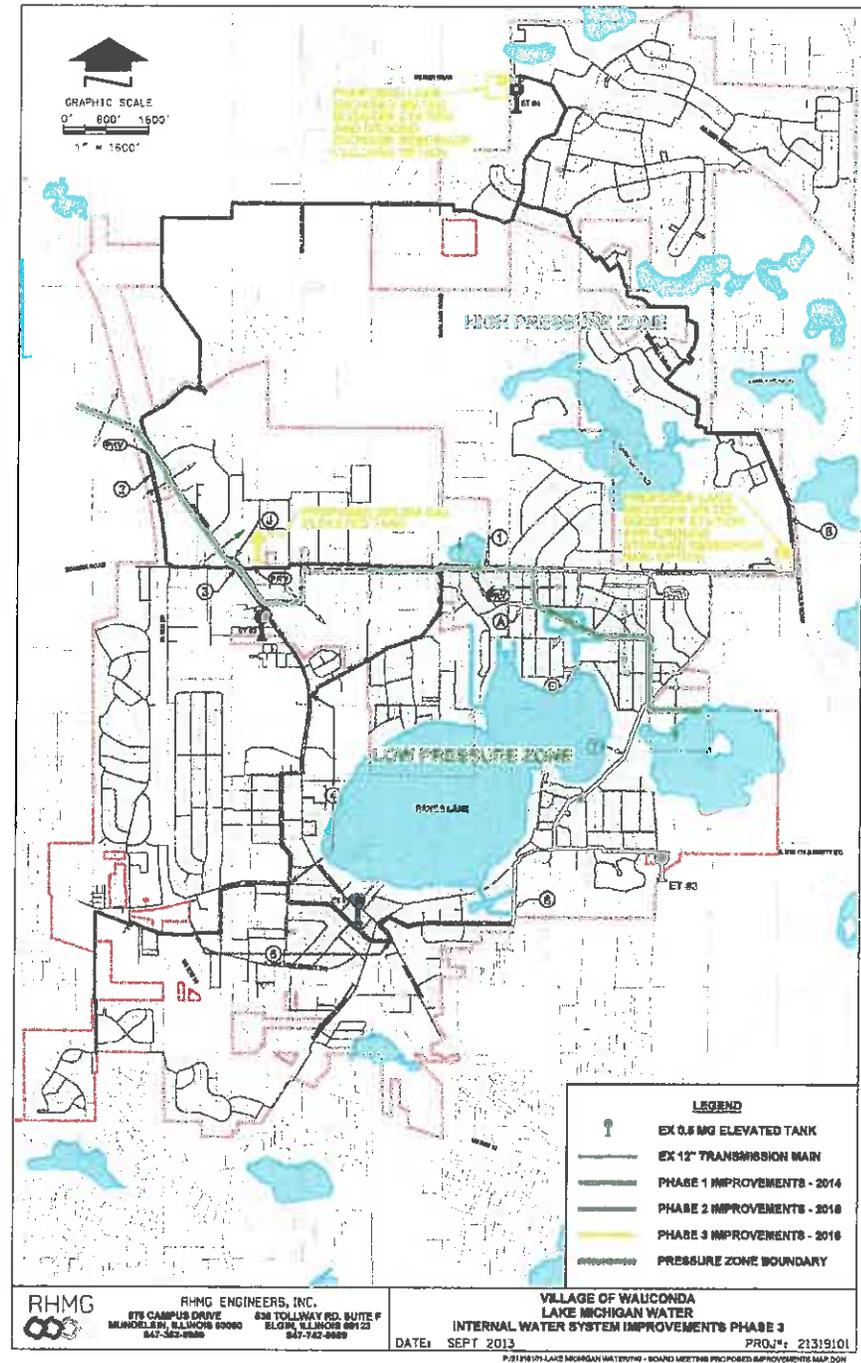
# Recommended Phasing

## Internal Water System Improvements

### Village of Wauconda Lake Michigan Water

<b>Phase 2 - 2015 Construction</b>	
12-inch Looped Transmission Main – Segments 1, 6 & 7	\$2,272,200
Pressure Zone Boundary Adjustments	\$736,400
Subtotal Construction	\$3,008,600
Engineering (Design & Construction)	\$368,300
<b>Subtotal Phase 2</b>	<b>\$3,376,900</b>

# Village of Wauconda Lake Michigan Water Internal Water System Improvements Phase 3



**RHMG ENGINEERS, INC.**  
875 CAMPUS DRIVE      628 TOLLWAY RD. SUITE F  
MUNDELEIN, ILLINOIS 60060      ELGIN, ILLINOIS 60120  
847-352-9000      847-742-0000

**VILLAGE OF WAUCONDA  
LAKE MICHIGAN WATER  
INTERNAL WATER SYSTEM IMPROVEMENTS PHASE 3**

DATE: SEPT 2013      PROJ# 21319101

P:\18197\LAKE MICHIGAN WATER\18 - BOARD MEETING PROPOSED IMPROVEMENTS MAP.DWG

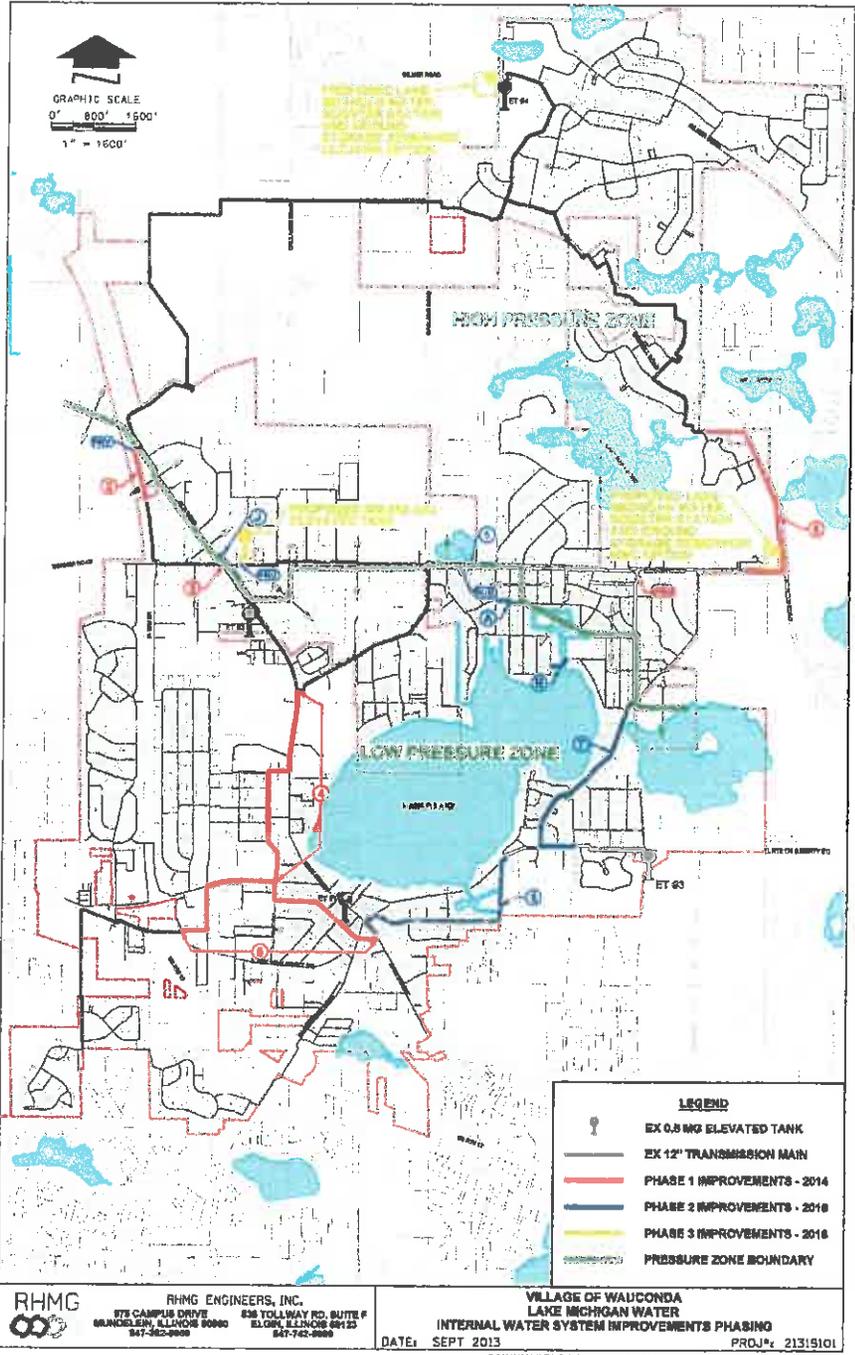
# Recommended Phasing

## Internal Water System Improvements

### Village of Wauconda Lake Michigan Water

<b>Phase 3 – 2016 Construction</b>	
Ground Storage Reservoir & Booster Pump Station	\$2,588,000
High Zone 500,000 Gallon Elevated Tank	\$1,243,000
Subtotal Construction	\$3,831,000
Land Acquisition	\$150,000
Engineering (Design & Construction)	\$382,000
<b>Subtotal Phase 3</b>	<b>\$4,363,000</b>

# Village of Wauconda Lake Michigan Water Internal Water System Improvements Phases 1 thru 3



# Recommended Phasing Internal Water System Improvements Village of Wauconda Lake Michigan Water

Phase 1 – 2014 Construction	\$3,484,200
Phase 2 – 2015 Construction	\$3,376,900
Phase 3 – 2016 Construction	\$4,363,000
<b>Total</b>	<b>\$11,224,100</b>