

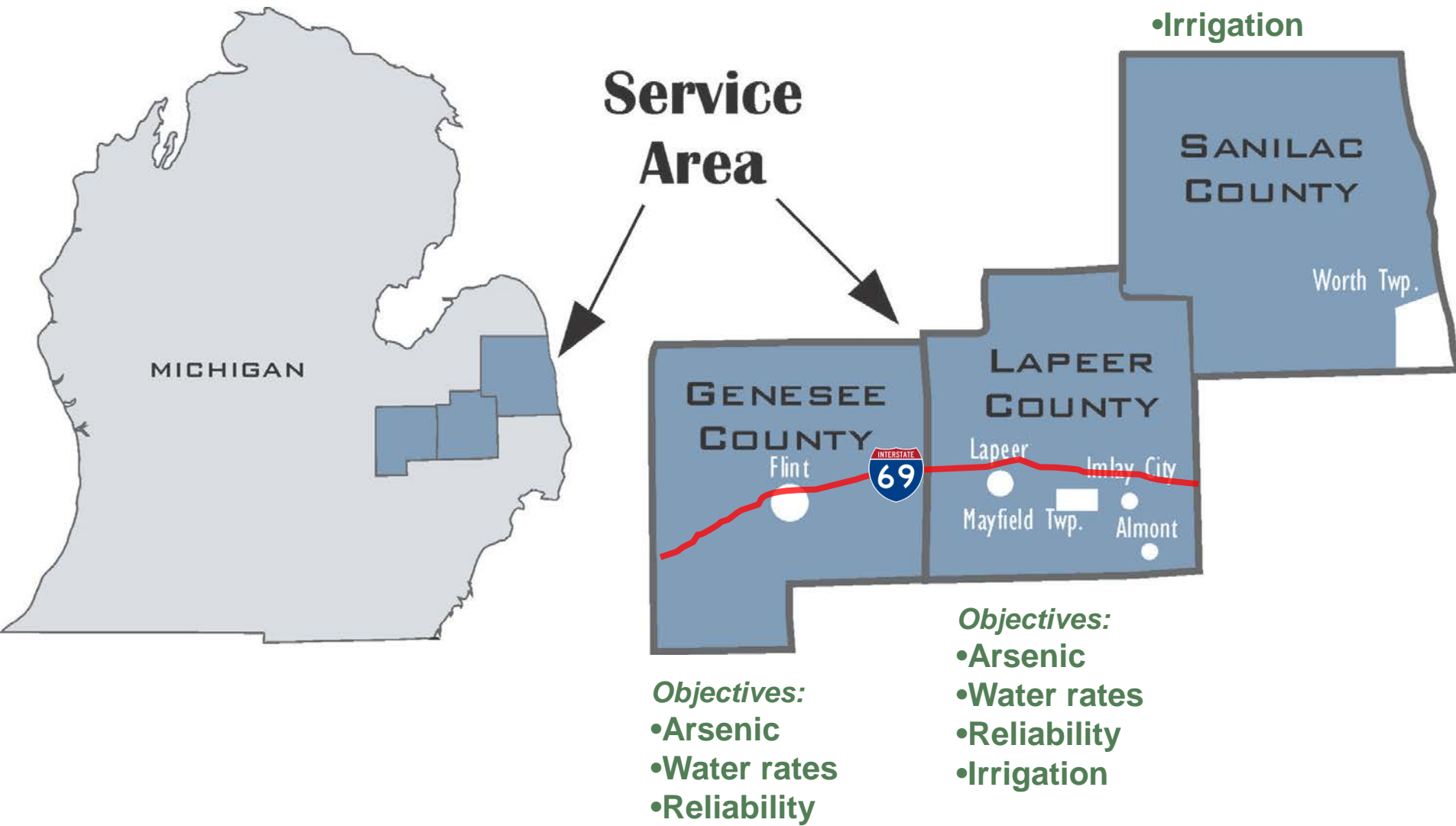


**DAWN OF A NEW ERA IN WATER SUPPLY**

# Karegnondi Water Authority

*Objectives:*

- Arsenic
- Access
- Irrigation



# KWA Historical Review



# **1999 – Talk of Building our own Pipeline Begins**

**Ken Hardin – then Genesee County Drain Commissioner**

**and**

**Woodrow Stanley – then Mayor of Flint**

**Begin discussions to separate from Detroit and build a joint pipeline.**



**August 14, 2003**

**Massive Blackouts Sweep Across the  
United States**

**Shuts Down DWSD's System**

**Cuts off Water to Genesee County for  
Several Days**

# **Exhaustive and Comprehensive Feasibility and Reliability Studies**

**2004 – 2006**

**Genesee County studied all water options**

**For the safety of our residents, a second pipeline had to be built**

- Reliability**
- Redundancy**

# **Preliminary Report Long-Term Water Supply for Genesee County**

**Volume 2 - Appendices  
Second Draft**



Prepared for:  
**Jeffrey Wright**  
**Genesee County Drain Commissioner**  
**G-4610 Beecher Road**  
**Flint, MI 48532**

**January 2006**



**Prepared by:**



**ROWE INCORPORATED**  
Flint, Michigan



**Jones & Henry Engineers, LTD**  
Toledo, Ohio



**Gannett Fleming**  
Harrisburg, Pennsylvania

# **2006-2008**

**Genesee County entered into negotiations with DWSD**

**DWSD also realized because of the 2003 power outage, a second pipeline had to be built.**

**Our Goal was to build this pipeline as a partnership with Detroit.**



# The Detroit News

Wednesday, September 19, 2007

detnews.com

State Edition

## Detroit Water to expand pipeline

■ Extension from Orion Township to Flint may cost current customers hundreds of millions of dollars.

By ROBERT SNELL  
*The Detroit News*

**DETROIT** — The Detroit Water and Sewerage Department on Tuesday proposed a major water-line extension that will stretch from northern Oakland County to Flint, potentially opening up large rural areas to development.

The project — the largest system expansion since the 1970s — will cost several hundred million dollars and be paid for by water and sewer customers across southeast Michigan instead of merely by communities along the proposed route.

The roughly 35-mile water line originally was proposed to be built in 2040 but was moved up to increase reliability, officials said.

Critics, however, say it's because a rival study is under way that would establish a new water system and potentially siphon away customers who are dissatisfied with spending and rate hikes in Detroit's system.

"That is a bombshell," said Independence Township Trustee Dan Kelly, whose community is along the pipeline's path. "Sounds like they're trying to beat them to the punch."

Detroit leaders say a new water line to Flint — along with an \$85 million, 25-mile water line between Orion Township and Romeo also announced Tuesday — would ensure consistent water

*Please see Water, Page 7A*

# Water

*Continued from Page 1A*

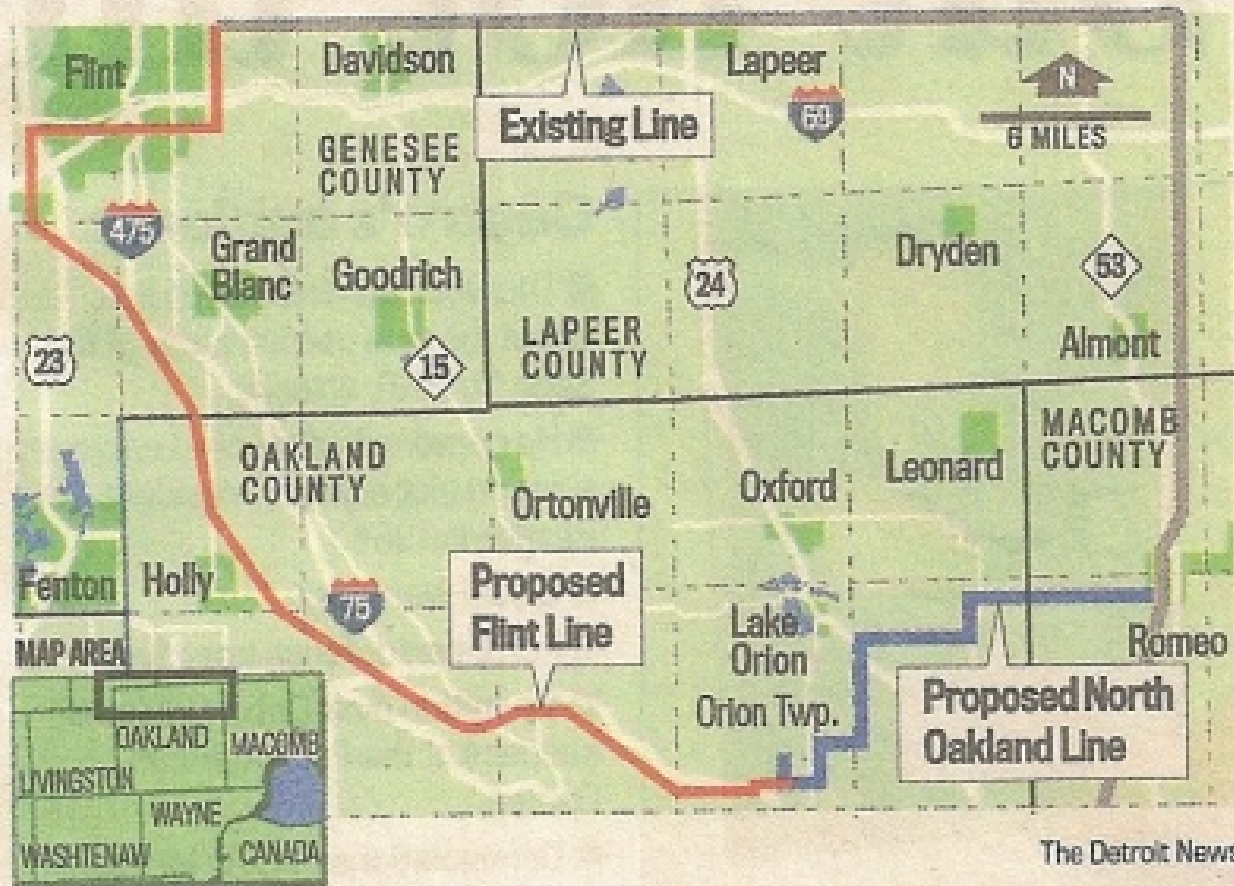
pressure. It also would provide a backup system in case of breaks or a catastrophe such as the 2003 blackout, which left portions of the service area without water.

The department will solicit design plans by December. Construction contracts would need approval by the Detroit City Council and the department's Board of Water Commissioners. Construction could start in two years, Director Victor Mercado said.

The cost would be shared by all customers because the new water lines are part of a system-wide im-

## Pipe progress

Two proposed water-line extensions would run from Orion Township to Flint and from Orion Township to Romeo. Construction could start as early as 2009.



The Detroit News

# **July 8<sup>th</sup>, 2008 – Governor Jennifer Granholm Signs the Great Lakes Compact**

## **A New Day in Michigan**



**August 28<sup>th</sup>, 2009**



## **Governor Jennifer Granholm Approves KWA**

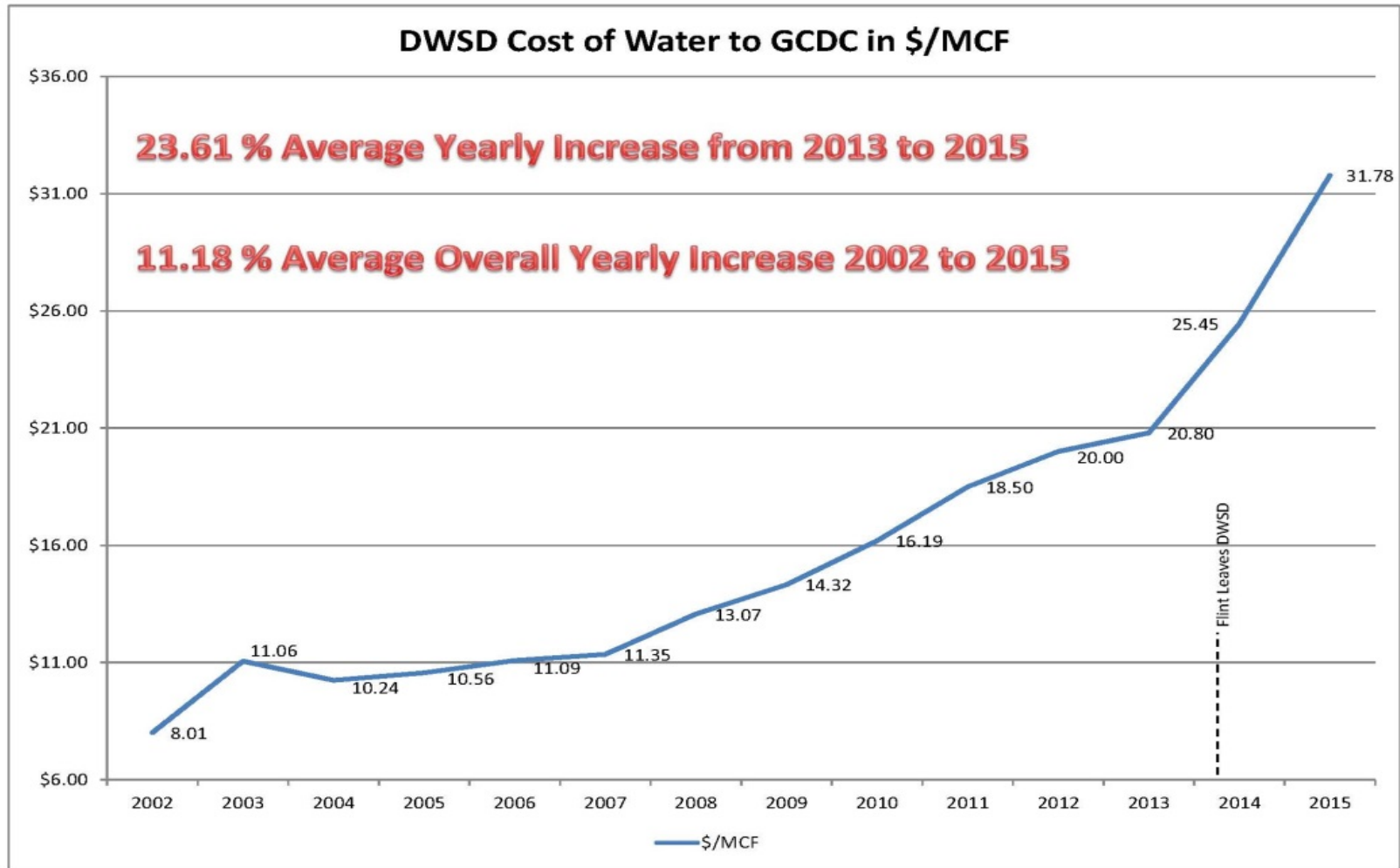
**Granholm issues permit numbers 001 and 002 under the Great Lakes Compact – approving the withdraw of 85 million gallons of water per day by KWA from Lake Huron**



# **KWA Environmental Permits**

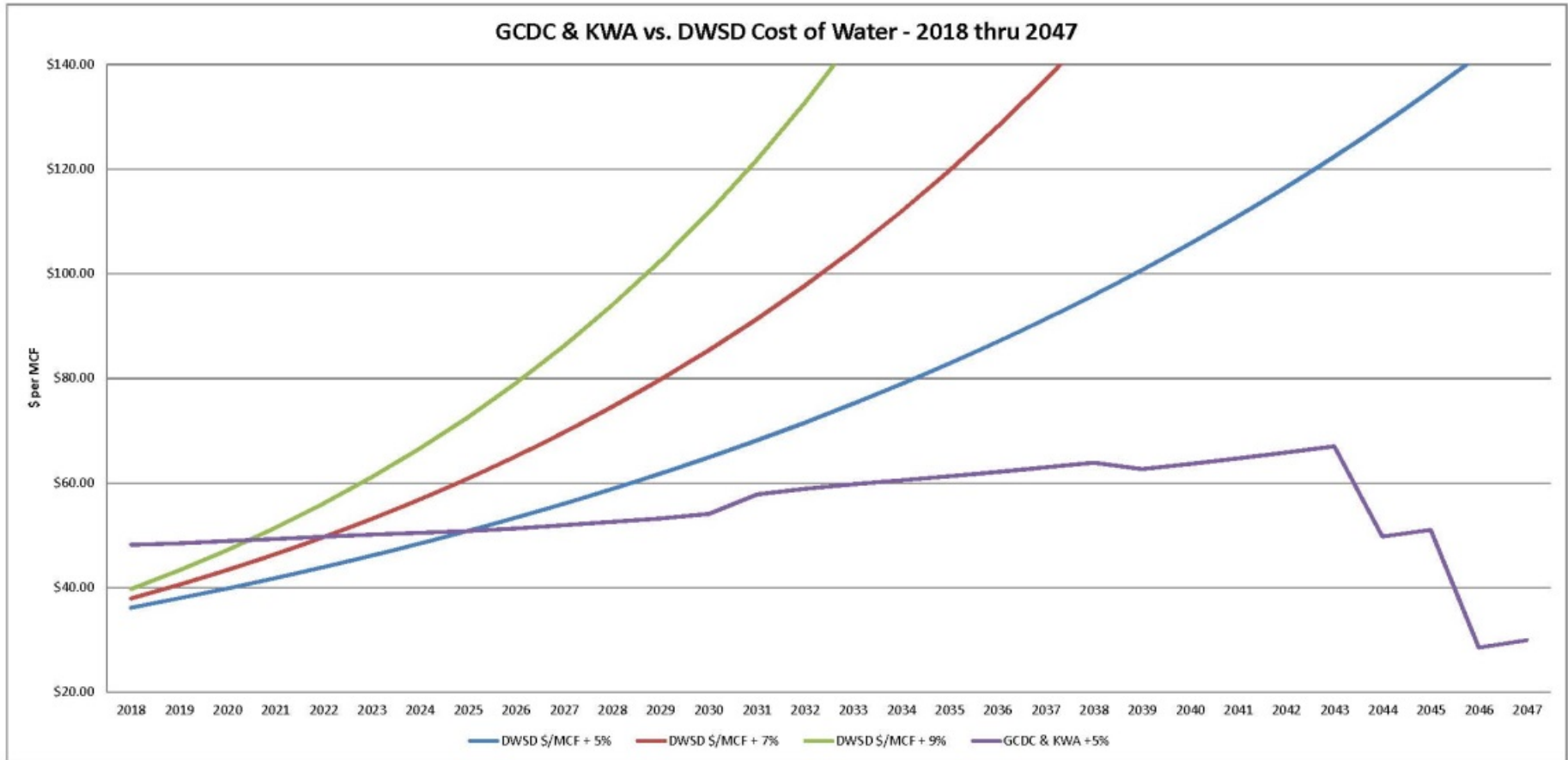
MDEQ Construction Permit (ACT 399 permit)  
National Pollution Discharge Elimination System (NPDES)  
Joint Permit Application MDEQ (State)  
Joint Permit Application EPA (Federal)  
Floodplains (NREPA Part 31)  
Inland Lakes and Streams (NREPA Part 301)  
Wetlands (NREPA Part 303)  
Threatened and Endangered Species (NREPA Part 365)

# Detroit has quadrupled the price of water since 2002

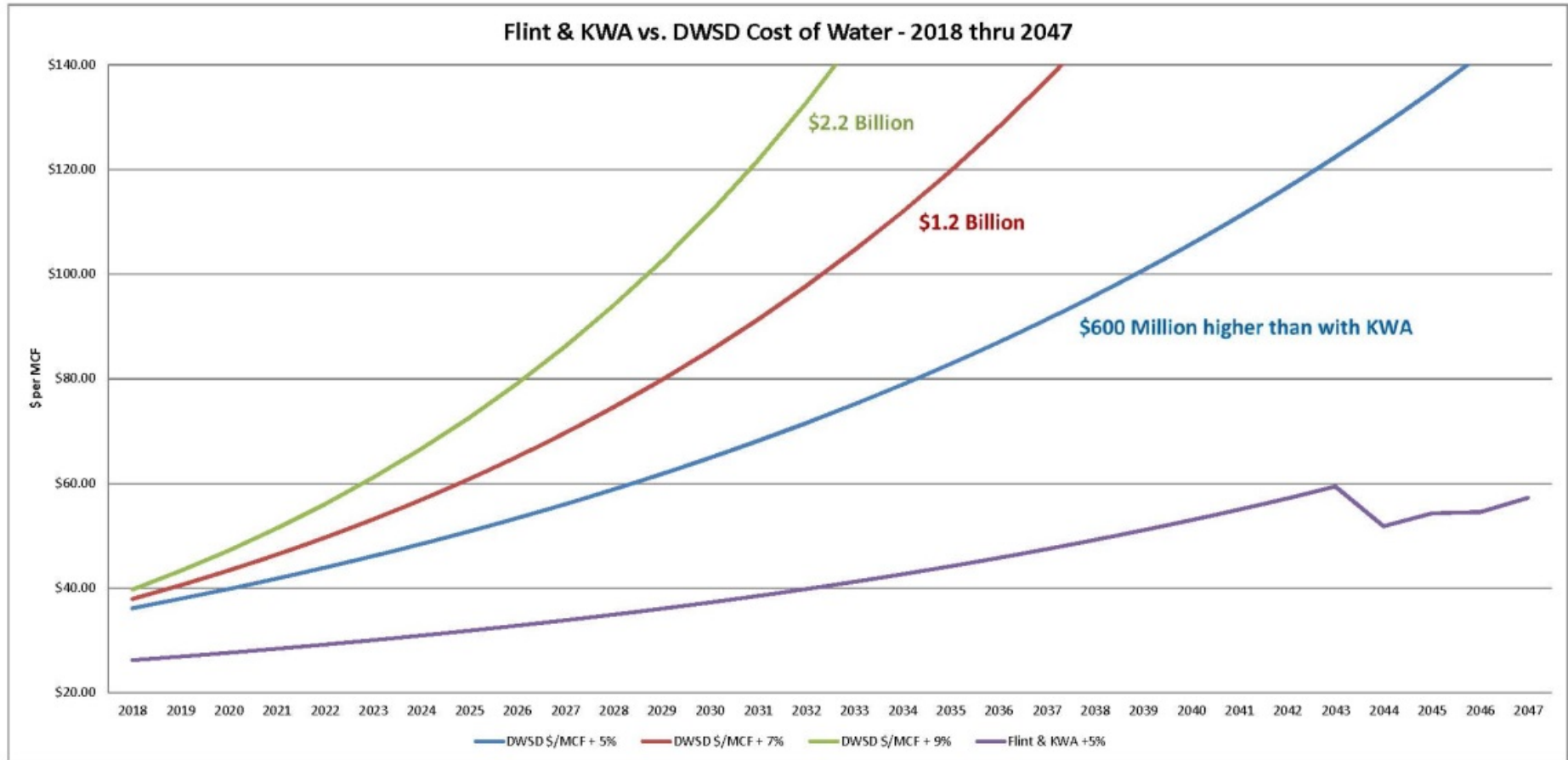


Note: 2002 through 2013 figures are based on July 1 - June 30 rates, however beginning 2014, figures are based on calendar year data

# Genesee County Customer Cost



# Flint City Customer Cost





# KWA has always had broad community support



## KAREGNONDI WATER AUTHORITY SUPPORTERS

- \* State of Michigan Department of Agriculture & Rural Development
- \* Michigan Agri-Business Association
- \* Genesee County Farm Bureau
- \* Lapeer County Farm Bureau
- \* Sanilac County Farm Bureau
- \* St. Clair County Farm Bureau
- \* Senator Mike Green (R)
- \* Senator Phil Pavlov (R)
- \* Senator Jim Ananich (D)
- \* Representative Pam Faris (D)
- \* Representative Richard E. Hammel (D)
- \* Representative Charles Smiley (D)
- \* Genesee County Sheriff Robert Pickell (D)
- \* Genesee County Treasurer Deborah Cherry (D)
- \* Genesee County Clerk John Gleason (D)
- \* Genesee Democratic Party
- \* UAW Region 1C – Norwood Jewell
- \* Michigan Building Trades
- \* Flint River Watershed Coalition
- \* Holloway Reservoir Homeowner's Association
- \* Sierra Club
- \* McLaren Regional Medical Center
- \* Dee Cramer
- \* DTE
- \* Diplomat Pharmacy
- \* Eastside Business Association
- \* Genesee Regional Chamber of Commerce
- \* Goyette Mechanical Company
- \* Koegel Meats
- \* Landaal Packaging Systems
- \* Management Diversified, Inc.
- \* Merrill Lynch
- \* Security Packaging
- \* Walker Electric
- \* Weinstein Electric
- \* County of Genesee
- \* County of Lapeer
- \* County of Sanilac
- \* City of Burton
- \* City of Clio
- \* City of Davison
- \* City of Fenton
- \* City of Flint
- \* City of Flushing
- \* City of Grand Blanc
- \* City of Imlay City
- \* City of Lapeer
- \* City of Linden
- \* City of Montrose
- \* City of Mt. Morris
- \* City of Swartz Creek
- \* Township of Argentine
- \* Township of Atlas
- \* Township of Clayton
- \* Township of Davison
- \* Township of Fenton
- \* Township of Flint
- \* Township of Flushing
- \* Township of Gaines
- \* Township of Genesee
- \* Township of Grand Blanc
- \* Township of Montrose
- \* Township of Mt. Morris
- \* Township of Mt. Mundy
- \* Township of Richfield
- \* Township of Thetford
- \* Township of Venice
- \* Township of Vienna
- \* Village of Gaines
- \* Village of Goodrich
- \* Village of Lennon
- \* Village of Otisville

# **Michigan Agri-Business Association Supports KWA!!**



**“Now is the time to build this pipeline. The KWA project....is an economic necessity for the long-term, well-being of this region”**

**- Jim Byrum, President,  
Michigan Agri-Business Association**

In response to Flint joining KWA

**“Finally”**

**- Jim Ananich, State Senator**















09/01/2014





# MICHIGAN REGIONAL COUNCIL OF CARPENTERS CARPENTERS LOCAL 687



**BIDCO**  
MARINE GROUP

International Union of  
Operating Engineers



Local 324



**DOUGLAS W. STOCKWELL**  
*Business Manager*

CL

4'6"





sta 440+00  
Pipe deliveries. Looking E/SE.

11/26/2014



# Lake Huron Pump Station





# Intermediate Pump Station







mark 6033  
moving mark 6033 to the excavation

'15 6.5









sta 769+00  
Base Course density testing. Looking E.NE.

08/03/2015

# **Misconceptions & Mistruths**

Setting the Record Straight on KWA

**KWA Did NOT Force Flint  
on the Flint River**



April 17, 2013

Via Certified Mail and Electronic Delivery

Ms. Inez M. Brown  
City Clerk  
City of Flint  
2nd Floor, City Hall  
1101 S. Saginaw Street  
Flint, Michigan 48502

RECEIVED  
CITY OF FLINT  
CITY CLERKS OFFICE  
2013 APR 17 AM 10:15

Dear Ms. Brown

**Regarding: Termination of Contract for the Provision of Water Services  
by the City of Detroit, Water and Sewerage Department**

On December 20, 1965, the City of Detroit, through its Board of Water Commissioners, (DWSD) and the City of Flint, Michigan (Flint) entered into a contract for the provision of DWSD treated water to Flint and the distribution by Flint of that water to other Genesee County communities. Section 18 of that Agreement<sup>1</sup> provides:

18. The Board [DWSD] shall supply and sell water to the City [Flint] from the water system of the City of Detroit, and the City shall receive and purchase such water in accordance with the terms of this Agreement for an indefinite period of time but at least for a period of thirty-five (35) years from the date hereof. This Agreement may be terminated by either party after expiration of said 35-year period, upon one year's written notice served upon the other party by delivering the same to the Secretary of the Board or to the Clerk of the City as the case may be, or at any time upon mutual consent of both parties.

Please take notice that pursuant to this section, 18, of the above-referenced Agreement, DWSD is terminating this Agreement one year from today's date (April 17, 2014).

Sincerely yours,

  
Sue F. McCormick  
Director

<sup>1</sup> Although the Agreement between DWSD has been subsequently amended, Section 18 remains unchanged and in full effect.

# KWA Timeline

- Flint City Council Votes 7-1 to go to KWA as long-term water source.
- At no time during these discussions was the short-term use of the Flint River brought up as an option  
(Many officials and residents argued for Flint going to the Flint River long-term....GCDC argued against that plan)
- DWSD issues termination letter to Flint and Genesee County.
- GCDC Customers choose to stay with Detroit short-term at a higher rate, Flint goes to the Flint River.

# **KWA Support Remains Strong Among Flint Residents**

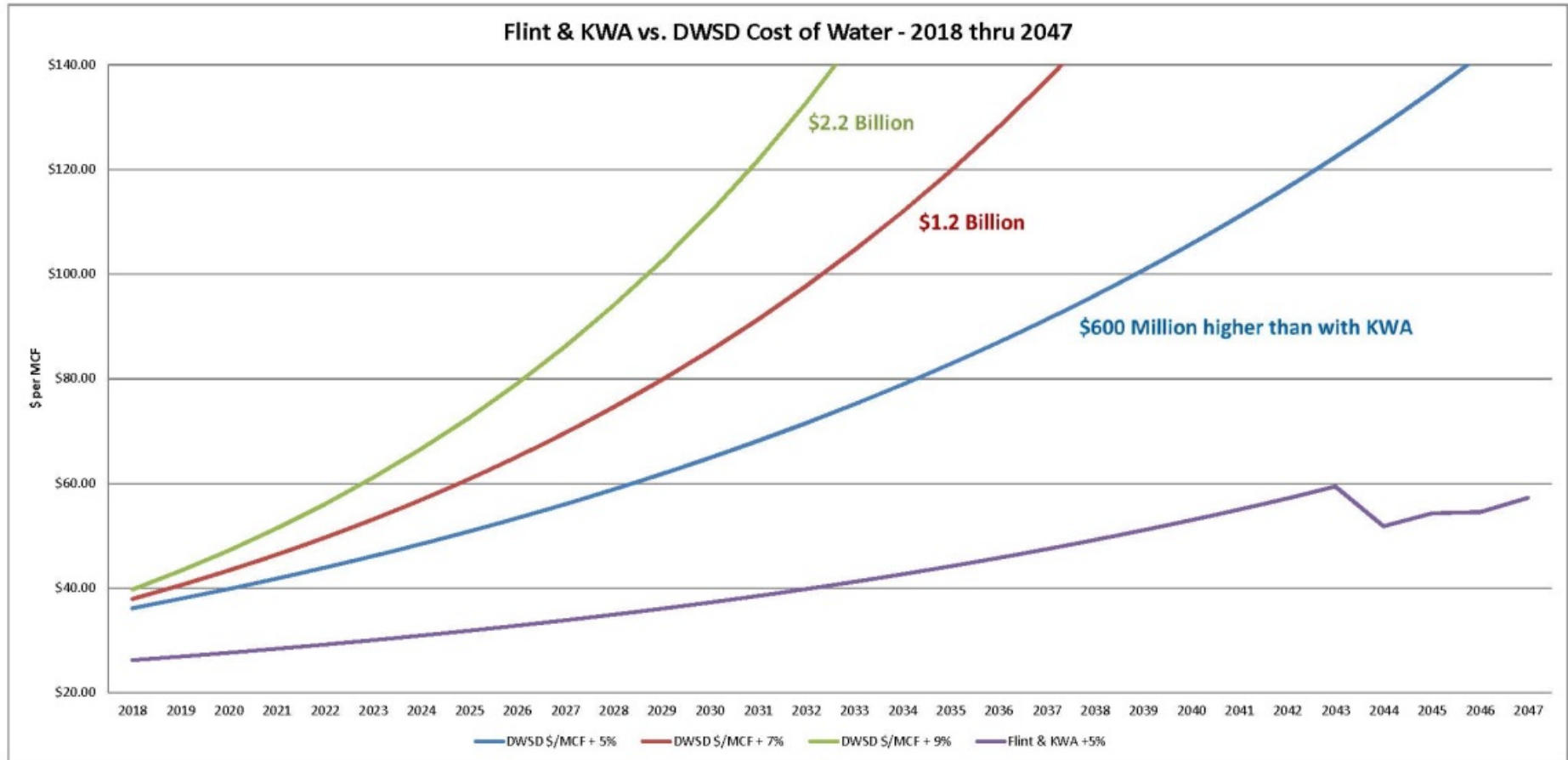
- A privately commissioned, independent poll by Practical Political Consulting was conducted February 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> of this month.
- Results showed that a majority of Flint residents continue to support KWA, and 69.35% - 30.65% want to connect to KWA instead of paying higher DWSD/GLWA rates.

## DWSD vs KWA...The Facts

	<u>DWSD</u>	<u>KWA</u>
Seats on the board?	0	4
Control over rates?	No	Yes
50 year old pipeline?	Yes	No
Lake Huron Water?	Yes	Yes
Ownership for Flint	No	Yes

DWSD requires the Flint River as an emergency backup. KWA does not.

# Flint City Customer Cost



# **KWA Short Term Economic Advantages**

1. 1400 working on the project for 36 months
2. Approximately 90 million in payroll infused into the Genesee County and Flint region
3. Many local vendors and suppliers utilized on the KWA project

# **Long Term Economic Advantages**

1. Minimum of \$600 million reduction in cost to Flint Water Customers
2. 20 full time new employees
3. First new business at Buick City site – American Cast Iron
4. Representation on the Board

# **Long Term Economic and Jobs Potential**



# “Blue Economy”

Can we shape the economic future of our Region?

- Water Intensive Industries
- Green Technologies
- Agricultural Opportunities
  - ✓ Production
  - ✓ Processing

Final Report  
**Flint & Genesee County Comprehensive  
Economic Development Strategy (CEDS)**

Prepared for:  
Genesee County  
City of Flint  
State of Michigan  
Genesee County Metropolitan Planning Commission  
US Economic Development Administration  
March 1, 2010

AECOM

FREE MAP WORLD RIVERS • WATER FOOTPRINT  
NATIONAL  
GEOGRAPHIC  
A SPECIAL ISSUE

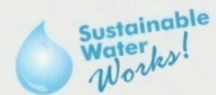
Water  
OUR THIRSTY WORLD

ESD Institute  
Michigan's Blue Economy Initiative  
A Clean Water Enterprise Framework

Jay Richardson  
Sustainable Water Works

Charlie Fleetham  
Project Innovations

December 2, 2009









# Possibilities:



Agriculture Business  
– Special Crops



Green Technology  
– Algae Ponds  
– Hydrogen Production



# Cranberries



**Michigan is the 3<sup>rd</sup> Largest Cranberry Producer in the Country**

**99 percent of these Cranberries are shipped to West Texas – processes into Juice, and shipped back to Michigan to be sold.**



# Wheat, Corn, Beans, etc...

**85 percent of all agricultural products grown in Michigan are shipped out in bulk to other states, processed, packaged, and shipped back to Michigan to be sold.**



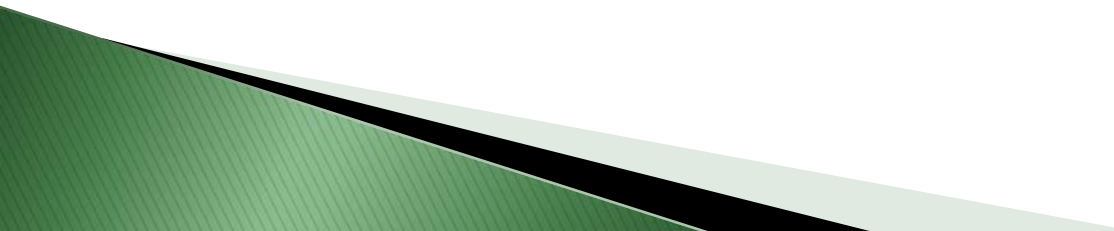


# **KWA Vetted and Endorsed**

- \* Michigan Agri-Business Assoc.**
  - \* Genesee County Farm Bureau**
  - \* Lapeer County Farm Bureau**
  - \* Sanilac County Farm Bureau**
  - \* St. Clair County Farm Bureau**
- 

**In conclusion the facts are simple:**

**The Karegnondi Water Authority  
will provide Flint and Genesee  
County with the Highest Quality,  
Lowest Cost water in our  
region.**



A detailed historical map of the Great Lakes region, showing the five Great Lakes (Superior, Michigan, Huron, Erie, and Ontario) and the surrounding territories and provinces. The map includes numerous place names, such as "CHIPPWAY TERRITORY", "HURON", "MICHIGAN", "ONTARIO", and "YORK". It also features geographical features like "Buffalo Plains", "Sauries", and "Ootagami". The map is oriented with North at the top and has a grid of latitude and longitude lines.

# Questions and Answers

For more info, visit:  
[karegnondi.com](http://karegnondi.com)