



**April, 2017**

EDITION

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## UPCOMING EVENTS

### May 4

Tour of We Energies Valley Power Plant

### June 2

2017 Metro Chapter Milwaukee Brewers Outing

## PRESIDENT'S MESSAGE

**Mike Bach, P.E.**

Hello Metro Members,

Thank you to all of you who attended the March event at the Wicked Hop. Ms. Dettmer gave a great presentation on the Bucks Arena Project and provided much insight as to the amount of time and effort that goes into permitting and coordinating a project of that magnitude.

I am excited to announce that we are organizing an early May tour of the We Energies Valley Power Plant. Mark your calendars for May 4th and we will follow up with an event announcement once the details are finalized.

Additionally, with Spring in full swing, it's time for Brewers Baseball. The June Brewers outing cannot get here soon enough! We have 40 tickets in rows 18-21, in section 119 for the June 2nd game against the Dodgers. Look for the June event announcement coming out next month to RSVP for your spot.

## MAY EVENT

### Tour of We Energies Valley Power Plant

Save the date! Our May Chapter Meeting will be held on Thursday, May 4, 2017 and will be a presentation / tour of the We Energies Valley Power Plant in the Menomonee River valley in Milwaukee. The plant generates both electricity and steam for We Energies customers. The plant originally was fueled by coal. To help reduce operating costs and enhance environmental performance, the plant's fuel source was converted to natural gas in 2014-2015. Specific details on the tour will follow in a separate email. We hope to see you then!



Some plant facts:

Type of plant:

Cogeneration facility using natural gas to provide intermediate-load (typically operating 24 hours a day) for the electric system while supplying all of the steam to the downtown Milwaukee heating system.

Initial cost:

\$41 million

Natural gas conversion cost:

\$62 million

Generating capacity:

136 megawatts per unit

Total net generating capacity:

272 megawatts

Chimney:

One 400-foot chimney for each unit.

Boilers:

Two per turbine generator.

Height: 14 stories

Furnace temperature: 2,300 degrees Fahrenheit

Steam temperature: 900 degrees Fahrenheit

Steam pressure: 1,523 pounds per square inch

Cooling system:

110,800 gallons of river water are used every minute to convert the exhaust steam from the turbine back into water for reuse. This water is returned to the river.

## JUNE EVENT

### 2017 Metro Chapter Milwaukee Brewers Outing

Save the date! Our June Chapter Meeting will be held on Friday, June 2, 2017 and will be our annual Milwaukee Brewers outing, with the Brewers playing the Los Angeles Dodgers. We have 40 tickets in rows 18-21, in section 119 (view from seats seen below). Look for your chance to RSVP in next month's announcement!



**WISCONSIN SOCIETY OF PROFESSIONAL ENGINEERS**  
**METRO CHAPTER**  
**2016-2017 Officers and Committee Chairperson**

**PRESIDENT**

Mike Bach, P.E.  
R.A. Smith National  
262-781-1000  
[michael.bach@rasmithnational.com](mailto:michael.bach@rasmithnational.com)

**PRESIDENT-ELECT**

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**VICE PRESIDENT**

Jackie Quandt, P.E.  
City of Brookfield  
262- 787-3543  
[quandt@ci.brookfield.wi.us](mailto:quandt@ci.brookfield.wi.us)

**TREASURER**

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**SECRETARY**

Joe Jelacic, E.I.T  
Wisconsin Dept. of Transportation  
262-548-6762  
[joseph.jelacic@dot.wi.gov](mailto:joseph.jelacic@dot.wi.gov)

**PAST PRESIDENT & STATE DIRECTOR**

Jonathan Schapekahm, P.E.  
City of Waukesha  
262-524-3584  
[jschapekahm@waukesha-wi.gov](mailto:jschapekahm@waukesha-wi.gov)

**PROGRAM**

All Officers

**CHAPTER WEBMASTER**

WSPE Office

**CHAPTER DIRECTOR (THRU 6/2017)**

Alex Damien, P.E.  
City of Waukesha  
262-524-3907  
[adamien@waukesha-wi.gov](mailto:adamien@waukesha-wi.gov)

**CHAPTER DIRECTOR (THRU 6/2018)**

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**CHAPTER DIRECTOR (THRU 6/2019):**

John Kastner, P.E.  
The Sigma Group  
414-643-4114  
[jkastner@thesigmagroup.com](mailto:jkastner@thesigmagroup.com)

**AWARDS**

Andrew Schultz, P.E.  
Foth Infrastructure & Environment  
414-336-7900  
[andy.schultz@foth.com](mailto:andy.schultz@foth.com)

**EDUCATION**

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**ENGINEER'S WEEK**

Katie Jelacic, P.E.  
City of Waukesha  
262-524-3587  
[kjelacic@waukesha-wi.gov](mailto:kjelacic@waukesha-wi.gov)

**LEGISLATION**

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**MEMBERSHIP**

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**MATHCOUNTS (CO-CHAIR)**

Kerry Hardin, P.E.  
[kerry.hardin@gmail.com](mailto:kerry.hardin@gmail.com)

**MATHCOUNTS (CO-CHAIR)**

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**NEWSLETTER**

Jonathan Schapekahm, P.E.  
City of Waukesha  
262-524-3584  
[jschapekahm@waukesha-wi.gov](mailto:jschapekahm@waukesha-wi.gov)

**SCHOLARSHIPS (CO-CHAIR)**

William Weltin, P.E.  
414-542-2649  
[maryweltin@yahoo.com](mailto:maryweltin@yahoo.com)

**SCHOLARSHIPS (CO-CHAIR)**

Dave Brose, P.E.  
EMCS Design Group  
414-347-1607  
[dbrose@emcsinc.com](mailto:dbrose@emcsinc.com)

**WSPE GNPA CHAIR**

Dale R. Swenson, P.E.  
262-366-5686  
[gnpa@wspe.org](mailto:gnpa@wspe.org)

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Send address or employment changes to:  
National Society of Professional Engineers  
1420 King Street  
Alexandria, VA 22314-2794  
888-285-NSPE  
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