



# ENVIRONMENTAL MANAGEMENT ASSOCIATION

JANUARY / FEBRUARY 2018 NEWSLETTER

## PRESIDENT'S CORNER [ LARRY RUSSETTE, PRESIDENT ]

**Happy 2018 to all!** As we head into the new year let's look back at 2017. We have made progress during the past year with our Inauguration, Science Fair Judging, Environmental Achievement Awards banquet, and our Annual Golf Outing Fundraiser. The highlight of the year without a doubt was our Mentoring Event held in November. Below is a recap of these events, and I encourage everyone to participate in 2018's events to receive full benefit of your membership.

While all are positive and rewarding events, judging the Science Fair is by far the most gratifying. If you have never judged the Science Fair you are missing out. I have been blown away by this event in the past, with 2017's being no different. If you have any questions if today's students are paying attention, you need to judge this event this year. The hundreds of projects with the students to explain their work will give you hope about the future (and don't worry, we only judge the projects that are environmentally-based!).

Our EAA event at The Detroit Athletic Club was a great evening that celebrated the top three Science Fair project winners and the awarding of their scholarships. We also awarded our Environmental Achievement Award, with 2017's going to Ford Motor Company and Dr. Deborah Mielewski, Leader of Ford's environmental department. Dr. Deb was warm, informative, passionate, and



insightful into the world at Ford. This was a great evening and I am sorry for those who missed it.

Our Annual Golf Outing in August at Dearborn Country Club was a great success. This is a great opportunity to entertain customers at a private club, mingle with industry professionals, and support our main fundraising event. This is where the bulk of our scholarship dollars come from, and we greatly appreciate the generosity of the attendees. Many thanks to the teams of Midwest Analytical for donating the winnings of the 50/50 raffle and to teams Brown & Brown and Robert "Willie" Williams for donating the dollars won in the skins game.

*CONTINUED ON PAGE 6*

### UPCOMING EVENTS

#### SCIENCE FAIR JUDGING

Wednesday, March 14  
8:00am  
COBO Center

FOR JUDGING INFORMATION  
please contact Tricia Wanamaker  
at [emadirector@gmail.com](mailto:emadirector@gmail.com)

#### EAA CEREMONY

Thursday, April 19th  
Detroit Athletic Club

## BOARD OF DIRECTORS

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## SCIENCE FAIR SUCCESS 2017'S MENTORING EVENT

TRICIA WANAMAKER  
[EXECUTIVE DIRECTOR]

On November 18, 2017, the EMA held its annual science fair mentoring event, this year in conjunction with the SEFMD. "Science Fair Success: Your Best Project" focused on what it takes to construct a proper science fair project, whilst providing students the opportunity to interact with industry professionals to discuss their project ideas and essentially "pick their brains" for inspiration. With over 100 student and parents in attendance, this event was by far our most successful to date. In overhearing conversations, students inquired on topics ranging from Ford's use of soybean-based foam in their vehicles, to creating a mechanism that operates like X-Men Wolverine's claws. The excitement in their voices as they discussed their thoughts with our mentor volunteers is what makes this event worthwhile, watching the wheels turn and their interest in science grow.



*Dr. Deb Mielewski of Ford Motor Co. with student attendees*

**CONTINUED ON PAGE 5**



*Kevin O'Mara of Midwest Analytical keeping students engaged with science*



*Elizabeth Gibbons of US Ecology deep in conversation with student attendee*

## NEW MEMBER SPOTLIGHT

### ADVANCED RESOURCE RECOVERY

*Advanced Resource Recovery* is an industrial waste management facility that transports, analyzes, tests, treats, and recycles industrial waste whilst focusing on environmentally sustainable disposal solutions. The acronym ARR also stands for "accessible, responsible, and reliable"—a phrase that truly embodies their operating style. ARR handles everything from leachate water, industrial sludge's, and oil emulsions, to drum processing, gasoline, diesel fuels, rag and coolants.

### PROFICIENT TRAINING & CONSULTING

*Proficient Training & Consulting* was founded on the belief that all workers should go home safe at the end of the day, with an extensive background in workplace safety that include: contractor and fire safety, steel mills, refineries, auto plants, manufacturing facilities, and chemical plants. Their full range of safety services follow the belief that every workplace is different and thus have specific safety needs, their services not only catered to that specific company, but also be relevant, of top quality, and economical.

### SOMNIO GLOBAL, LLC

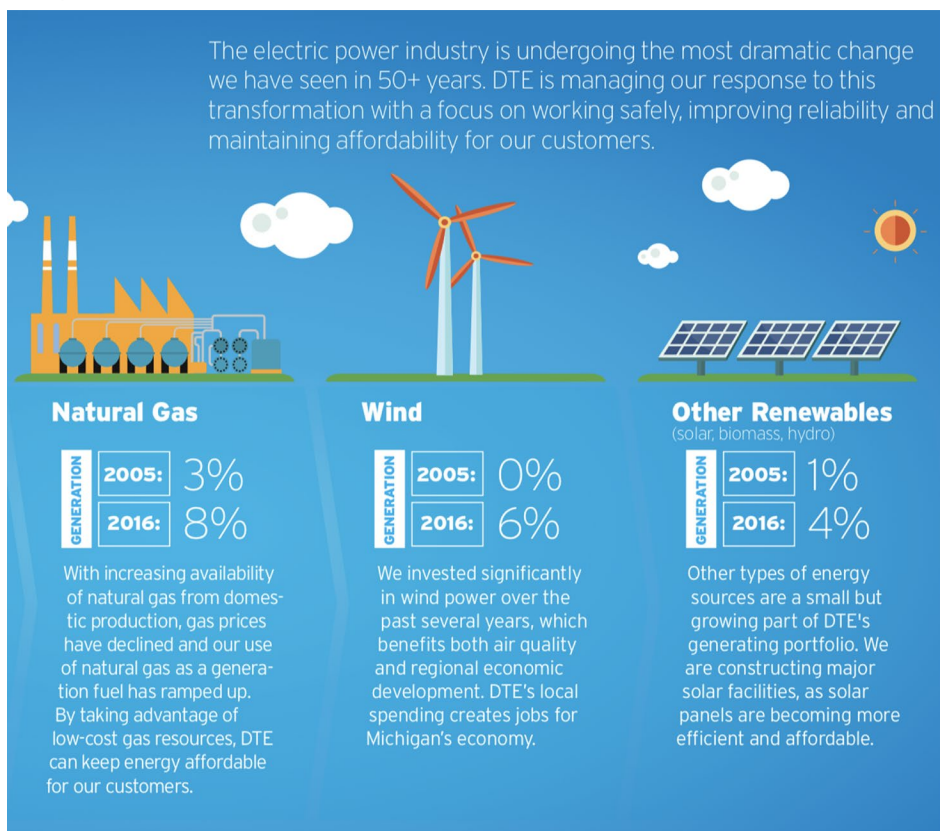
*Somnio Global* is an advanced scientific research and development organization dedicated to developing technological solutions to some of the world's most significant challenges, with a vision to develop and enable sustainable innovation that is both socially impactful and commercially viable. Some of the technologies investigated are water treatment, bio-preservation, solid state energy storage, medical sanitation, advanced additive manufacturing, polymer recycling, and high-efficiency electrical contacts.



## DTE ENERGY TRANSFORMATION: THE PUSH TOWARDS RENEWABLE ENERGY

DTE prides itself on providing energy to all its customers in the most safe, reliable, and affordable ways possible. Moreover, they are heavily involved in the push towards environmental sustainability and renewable energy sources, investing more than \$2 billion in renewable energy research and projects. Over the next 15 years, DTE will continue to focus on wind, sunlight, and biomass, cleaner energy sources that will greatly reduce our carbon footprint whilst continuing to meet the needs of the consumer.

Taken from the *DTE 2016-2017 Corporate Citizenship Report*, below is an infographic articulating the dramatic shift in renewable energy over the past ten years:



According to their report, in 2016 [DTE] "generated or contracted for more than 3.4 million megawatt hours (MWh) of electricity from renewable energy sources—enough to power nearly 450,000 households." Within their \$2 billion investment included \$83 million on solar panel projects, and \$49 million on wind projects. Their continued ventures in renewable energy places them in a great position to meet their future goals within Michigan legislation with solar and wind resources.

## 2018 MEMBERSHIP

ADVANCED DISPOSAL SERVICES  
<http://www.advanceddisposal.com>

ADVANCED RESOURCE RECOVERY  
<http://www.aronline.com>

ADVANCED UNDERGROUND INSPECTION  
<http://www.auinspection.com>

ANDERSON, EKSTEIN, & WESTRICK  
<http://www.aewinc.com>

BIO-CHEM LABORATORIES, INC.  
<http://www.bio-chem.com>

BROWN & BROWN COMMERCIAL INSURANCE & RISK MANAGEMENT  
<http://www.bbdetroit.com>

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
<http://www.cecinc.com>

DTE ENERGY  
<http://www.dteenergy.com>

ERG ENVIRONMENTAL SERVICES  
<http://www.ergenvironmental.com>

ENVIROSOLIDS, LLC.  
<http://www.envirosolids.com>

FAIRWAY ENVIRONMENTAL

GOODWILL GREENWORKS  
<http://www.goodwillgreenworks.com>

H.M. ENVIRONMENTAL SERVICES  
<http://www.hmenvironmental.com>

HYDROCHEM  
<http://www.hydrochem.com>

ITC HOLDINGS CORP.  
<http://www.itc-holdings.com>

K2-KM PLANT SERVICES  
<http://www.k2industrial.com>

M.L. CHARTIER, INC.  
<http://www.michartier.com>

MARINE POLLUTION CONTROL  
<http://www.marinepollutioncontrol.com>

MIDWEST ANALYTICAL SERVICES  
<http://www.midwestanalytical.com>

## 2018 MEMBERSHIP

MLA CONSULTANTS, LLC

MPS GROUP, INC.  
<http://www.mpsgroup.com>

NATIONAL INDUSTRIAL  
MAINTENANCE  
<http://www.caryloncorp.com>

PPG INDUSTRIES, INC.  
<http://www.ppg.com>

PROFICIENT TRAINING &  
CONSULTING  
<http://www.proficienttc.com>

PROS SERVICES, INC.  
<http://www.prosenvironmental.com>

SCHULTZ, INC.  
<http://www.schults-inc.com>

SOMNIO GLOBAL, LLC  
<http://www.somnioglobal.com>

SYNERGY ENVIRONMENTAL  
WASTE SERVICES  
<http://www.synergy-env.com>

USHER OIL COMPANY  
<http://www.usheroil.com>

VMX INTERNATIONAL, LLC  
<http://www.vmx.com>

ZERVOS INSURANCE GROUP  
<http://www.zervosgroup.com>



## INVESTING IN OUR FUTURE: 61<sup>ST</sup> ANNUAL SCIENCE & ENGINEERING FAIR

On March 14th, Detroit will host the **61st Annual Science & Engineering Fair of Metro-Detroit** [SEFMD] at COBO Hall. With STEM education more important than ever today, the SEFMD provides a forum for students to learn, create, experiment, and share their projects with an audience of their peers, families, and industry professionals. For years, EMA members have volunteered their time to attend the science fair on the day of judging, interacting and engaging with student participants while performing their own separate adjudication of the environmental science category. Winners are cordially invited to our EAA ceremony, where they are awarded a plaque and scholarships provided by the generous donations of our member companies.



Last year we gave away \$2200 in scholarships. This year, we strive to up the ante and award students even more. Coming off the success of our 2017 Science Fair Mentoring event, students are more excited than ever to explore the science and engineering worlds and show off their projects. With support from corporations such as Ford Motor Co. and US Ecology, and individual volunteers representing a number of our member companies, there is no reason for us not to at least double our scholarship funds and continue this momentum. Donate to our scholarship fund and help students continue their involvement in the scientific field. Attend our Environmental Achievement Awards ceremony and engage with our student winners and catch a glimpse at their potential.

These students are more than simply the future—they are OUR future. Let us celebrate, encourage, and support them in every way we can.

**FOR MORE INFORMATION** on science fair judging, to donate to our scholarship fund, or to purchase tickets to this year's EAA ceremony, please contact Tricia Wanamaker at [emadirector@gmail.com](mailto:emadirector@gmail.com)

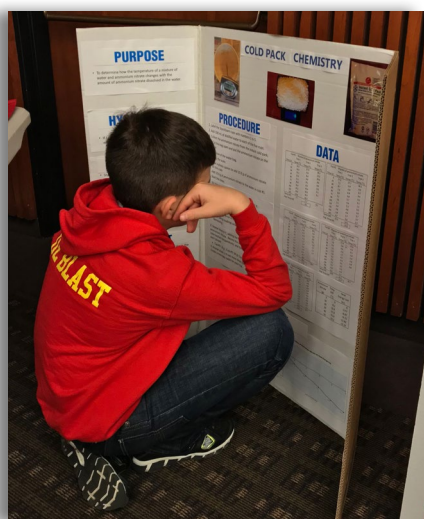
## SCIENCE FAIR SUCCESS [cont.]

Every student received "swag bags" filled with items donated by member companies, as well a science fair resource packet with a periodic table. Thanks to a generous donation from US Ecology, we were also able to raffle off two Samsung Galaxy tablets to students, as well as Ford Motor Company for providing amazing educational giveaway items. Our mentors, however, are what truly made this event so special. Every volunteer brought a unique perspective to the table, coming from a range of backgrounds within the environmental science field. Students were able to speak freely and thoughtfully with everyone, engaging in a manner that highlighted the excitement within the world of science, and helping us further our goal of getting students interested in the field.

FOR MORE INFORMATION on being a judge at this year's science fair competition, please contact Tricia Wanamaker at [emadirector@gmail.com](mailto:emadirector@gmail.com) to register.



Student winner of the Samsung Galaxy E-Lite tablet, courtesy of US Ecology



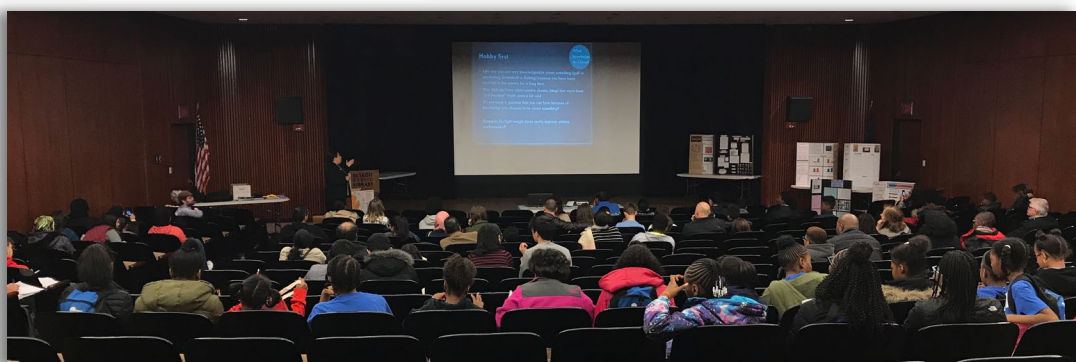
RIGHT: >>  
Dr. Alper Kiziltas and Zachary Dowling of Ford Motor Co. discussing soy-based foam

<< LEFT:  
A student attendee carefully reading one of the many sample project display boards



### RIGHT: >>

Special thanks to the SEFMD for allowing us to embark on this joint opportunity, and to the Detroit Public Library for offering their CSJ Friends Auditorium for the event





## PRESIDENT'S CORNER [cont.]

Lastly, the highlight for me personally was the Mentoring Event at the Detroit Public Library in November in accordance with the folks of the SEFMD. You will read within the newsletter about the event that provided scientific guidance to over a hundred motivated students and their parents. This event would not have been possible without the hard work and support of our corporate sponsors, US Ecology, Ford Motor Co., PROS Services, PPG Industries, Midwest Analytical, and our events committee, Joe Zehetmair of PPG, Kevin O'Mara of Midwest Analytical, and our new EMA Director, Trish Wanamaker.

Thank you for all your continued support of the EMA. Please stay tuned for this year's events as we push forward onto bigger and brighter things for 2018, and join us in being part of our journey. As always, if you have any ideas, comments, or suggestions, please feel free to contact me directly at [ljrussette@outlook.com](mailto:ljrussette@outlook.com).

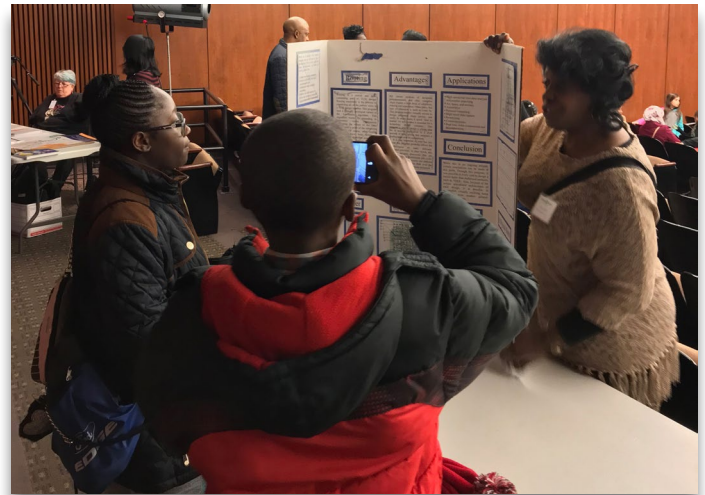
Make it a great 2018!



*Dr. Deb Mielewski of Ford Motor Co.  
engaging with students*



*Shannon Geiger of Marine Pollution Control in deep  
conversation with a student*



*Vickie Lewis of VMX International discussing project display ideas with  
student attendees*

# EARTH DAY IS EVERY DAY

## We love hearing from our members!

Please feel free to send us information about your business and what strides you are making in environmental sustainability, information on upcoming events in the professional community, or any interesting articles related to green practices and environmental sustainability.

Please e-mail all inquiries to Tricia Wanamaker at [emadirector@gmail.com](mailto:emadirector@gmail.com)

The purpose of the EMA is to establish and maintain an active information exchange between government and industry professionals involved with environmental management to arrive at solutions to environmental issues within a framework of ethics appropriate to the environmental field. The EMA believes in and supports the application of integrity, common sense, sound sciences, and fiscal responsibility in all matters affecting the environment.