



# Nebraska Society of Professional Engineers

A state society of the National Society of Professional Engineers  
Eastern Chapter

Fall 2012

2012-2013

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### 6 Months Free

NSPE Membership applications may be obtained at

[www.nspenebraska.org](http://www.nspenebraska.org)

## President's Note

This is my 9<sup>th</sup> year serving on the board of the Nebraska Society of Professional Engineers – Eastern Chapter. It all started because someone asked me (thanks Jeff). A lot of times, that's all it takes - someone that asks. I am fortunate to be involved with such a worthy organization. The board members are very professional but do have a sense of humor when required. Serving on the Board has been a beneficial experience for me.



Recall that the mission of the NSPE is "...to promote the ethical, competent and licensed practice of engineering in order to protect the public and enhance the professional, social and economic well-being of our members." We as engineers make a positive difference to society and to the world when we live by this mission.

My goal this term is to increase attendance at our monthly Chapter meetings by making the meetings more engaging. Typically, organizations are supported by 20% of their members (a number I made

### Upcoming Events

**Tues., Nov 20<sup>th</sup>: Chapter Mtg.  
Welcome New Registrants  
Electronic Seal Presentation**

**Tues., Dec TBD: Joint IEEE/NSPE  
Breakfast Meeting – 7:00am**

**Non-members welcome!!**

**Scott Conference Center  
6450 Pine Street  
11:30 a.m. – 1:00 p.m. +/-**

**PDHs available**

up for this article). Therefore, I would like to see at least 40 members at each of our Chapter meetings (and I do have all of your addresses). This will happen as we spread the word and remember that we all benefit from the presentations and the networking opportunities available by attending the meetings.

Thank you,  
Paul Vovk

## One Man's Garbage Is Another Man's?

Energy, the answer is energy. If you thought treasure, you weren't far off. At the September 25<sup>th</sup> meeting, Karl Fryklind – HDR, presented on the Oahu, Hawaii waste-to-energy power plant expansion. The topic was quite interesting as one considers the limited space for landfills on an island state.

Karl spoke of the multiple challenges the island faces with the cost of power and waste removal. The waste or fuel is considered revenue, rather than a cost.



*Karl Fryklind, HDR Engineering – Presenting the on Oahu, Hawaii's new power plant.*



*Some of the many reasons for the plant expansion.*

The large delivery zone and filtering grates allow for greater metal recovery, and the EPA considered this to be the best environmental use of a resource after reduce, reuse, and recycle.

Additionally, Karl spoke of the interesting issues around the corrosive properties this form of energy production have on the plant's mass burn boilers and piping.

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## Could you use \$50!

NSPE will send you a \$50 check if a new member lists you as a referral.

*"This actually happened to me quite by accident (thanks Mike, I was able to replace my worn out shoes with that \$50)" – President Paul Vovk.*

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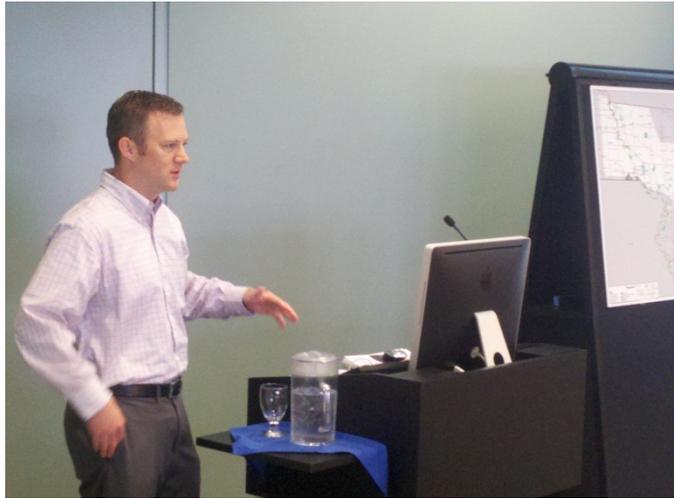
## MathCounts Date Set!

Please join us for the 2012 Eastern Chapter MathCounts Event schedule for **February 23, 2013**. It will be held at the 72<sup>nd</sup> & Grover Ramada again this year and we look forward to your support in putting on the great event once more. Keep an eye out for the volunteer request.

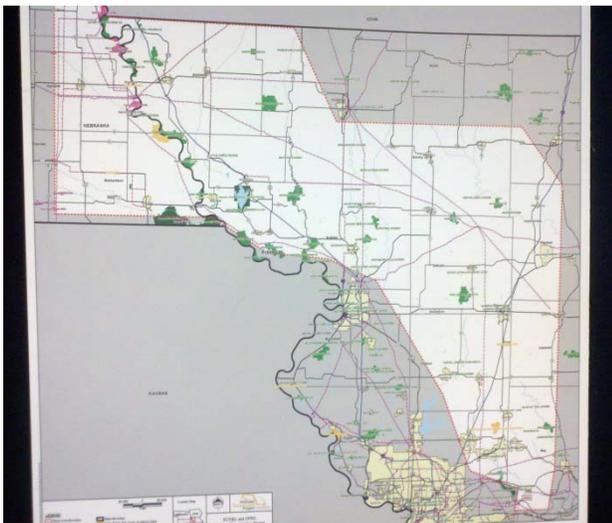
## The Path of Power

No, this is not a bestselling self-help title, but rather highlights to the joint LOCATE/NSPE meeting held on October 30<sup>th</sup>. Kent Herzog, with OPPD, presented on the new 345kV Midwest Transmission Project that will connect between OPPD's Nebraska City Power Station and Missouri's KCP&L substations in Maryville and Sibley, Missouri.

As OPPD's Project Manager for this large undertaking, Kent's team has spent the last year working to gather enormous amounts of information to help narrow the study area. Things such as property owner information, environmental habitat, water crossings, existing utility corridors, and many, many other factors.



*Kent Herzog, OPPD – Presenting the planning study for the 345kV Transmission Project.*



*Study Area for the 345kV Transmission project.*

The development of potential routes was recently completed and will now be presented to the public through a series of informational meeting throughout the study area. Final route selection is planned for next summer, followed by environmental permitting in late 2014.

This project is just one of several the Southwest Power Pool considers as a priority project. The project would span between 150 and 190 miles at an estimated cost of \$400 million. The project is expected to be in service by the summer of 2017.

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## It Pays to Attend!

We're looking for better attendance at our meetings and we're giving out money to make it happen. Don't miss out on the Cash Raffle at the next meeting! Just show up and you are entered to win \$20.