MINUTES OF MEETING – October 16, 2019

The meeting was held at DeMarco's in Itasca with 11 members attending from both the Salt Creek and North Suburban Chapters.

Our next meeting will be held on November 20th at Old Warsaw in Broadview. The speaker will be David Alvarez from Com Ed.

Mathcounts will be held at BP Naperville for the last year. (Date: February 8, 2020). We can use more help than last year.

E-week is February 16-22, 2020 with the (STEM) open house held at Illinois Tech on Saturday 22, 2020. Dirk is looking for volunteers to help out.

We had a discussion about ISPE on the state level. There is a budget overrun due to a $55K bill from Frontline for lobbying efforts in the last legislative session. There is interest in evaluating the relationship with Frontline and looking at other companies to manage ISPE.

Chris Hahn is the new ISPE president and is looking for volunteers for all committees.

Our bank account balance is $14,600 and the investment account is $24,700. We are still looking for ways to raise funds for scholarship.

For our program, Mr. John Katrakis, PE, LEED AP, presented "Sustainable Water Design in Chicago Area Buildings". Some highlights from the program follow:

- Water charges vary greatly among municipalities. Chicago charges $2.01 per 1,000 gallons while Itasca charges $11.45 per 1,000 gallons.

- Major uses of fresh water are agriculture (44%) and thermal electric (43%).

- Germany and the United Kingdom have far lower per capita use of water than the United States.

- Mr. Katrakis showed photos of the new Ryerson Woods Visitor Center. The building was constructed with a metal roof designed to collect rainwater. The first flush of rainwater is diverted. After first flush, rainwater is captured and stored in a cistern that is 22,000 square feet by 6 feet deep. Die is added to make the water deep blue because it is non-potable. The rainwater is used in toilets in the facility and stored for fire protection uses.

- Another efficient facility is the Rosa Parks apartment building, a four-story, 27 unit building with 6 inch blown fiberglass insulation in the walls, solar hot water, geothermal heating, and a heat recovery system.

- A third efficient facility is the Other World Computing Center in Woodstock, IL. It features a refurbished 500 kw wind turbine and a 266 kilowatt rooftop solar system.