



## Meeting Agenda

4:30 – 6:00 PM, Wednesday January 6, 2021 Remote Zoom Meeting

UEB Zoom Meeting access link:

<https://us02web.zoom.us/j/83201655355?pwd=UVY3ODk0ZEhuc1pBWlJlVQmJSdDJVdz09>

Password: 972968 (New security feature may be required in future)

Or call: +1 346 248 7799

Meeting ID: 832 0165 5355

Password: 972968

1. Amendments to Agenda
2. Approve Minutes from December 16, 2020
3. Upcoming Meetings
4. Audience Business
5. Updates
  - a) Board of Trustees – Mike Karavas
  - b) Staff, Engineering – Aaron Caplan
  - c) UEB Chair – Jim Kerr
  - d) Other UEB Members
6. Solar Farm Cost Analysis / Update
7. Street Lighting Update
8. 2021 Goals Update



## UEB Meeting Minutes, Dec. 16, 2020

**Meeting Time and Location:** Began at 4:30. Held remote via Zoom meeting.

**Attendance:** Jay Stott, Chris Meline, Larry Quinn, Jim Kerr, Jerry Rotz, Lee Hall

**Staff:** Aaron Caplan    **BOT Liaison:**                    **Guests:** Jeff Christy

1. Amendments to Agenda
2. Approve Minutes from December 2, 2020- **Approved Unanimously**
3. Upcoming Meetings- None (holiday season)
4. Audience Business Jeff Christy (SFC) Interest in the solar project- SFC wants to be included.
5. Updates

a) Board of Trustees – Mike Karavas Not Present

b) Staff, Engineering – Aaron Caplan

Electric meters- 2nd antenna is up but not connected. Full install is on schedule for Jan/Feb. 5th & Meily project continues. CDOT is looking into if they can find funds for curb and gutter along HWY 7. 2nd Ave bridge removal started. Discussion of storm drainage along 2nd. Very complicated. WWTP- HVAC system problems are getting fixed. Streetlight policy will be going before board- also electric service line policy. Discussion of possibility of purchasing a system to control streetlights.

c) UEB Chair – Jim Kerr

Projections for Solar Project looking good so far. MEAN rates are staying constant. Increase in fixed cost may be tied to solar nameplate vs metered production values.

d) Other UEB Members

Lee Hall- CollectiveSun documentation will be available for review by UEB when it gets placed on the agenda.

Larry Quinn- CDOT/HWY7- has been talking to CDOT for some time about improving roadsides on HWY7. Aaron said it has been raised in the curb and gutter conversation.

Chris Meline - Discussion of role of GIS in utility planning and comp plan- need for improved info in GIS systems. Aaron Caplan has learned not to trust what is the GIS system and there is very little attribute information. Issue with limited access for UEB to town GIS. Jim using public domain QGIS for street lights and expects to be able to export data that can be imported by Chris Into Town's system.

6. Potential New UEB Members- who do we know who is interested?

7. 2020 Recap and Look Ahead to 2021 - Discussion of possible plans/goals for UEB in 2021.

End of year wrap up request from Lyons Recorder. UEB input to Town of Lyons annual report due 15 January. Includes past year (2020) and plans for the upcoming year (2021).

Mike wrote a UEB article for the December issue of Redstone review. Aaron requested emphasis on the Capital Improvement Plan.

Larry noted the slant of Electric utility goals and felt it should be more balanced with the other utilities. Should include various utility master plans, wastewater general permit, rerating, high strength waste surcharge. Larry to get back to Jim with recommended changes.

Noted there is no funding for the planned comprehensive plan update.

**Meeting ended:** 5:40 pm. **Minutes Submitted by:** Jay Stott & Jim Kerr

## 6. Solar Farm Cost Analysis / Update

- See spreadsheet for cost analysis what-ifs.
- Top issues include what to use for
  - Energy Charge Rate - Lyons Wind Rate or regular energy rate?
  - Annual Electricity Price Escalation
    - Platte River Power Authority Integrated Resource Plan [https://www.prpa.org/wp-content/uploads/2020/10/IRP\\_10.8\\_spread.pdf](https://www.prpa.org/wp-content/uploads/2020/10/IRP_10.8_spread.pdf)
      - 7.1 Inflation and discount rate page 55 - Assumes 2 percent annual inflation rate
      - 7.5.3 New solar resources page 63 - Assumes flat solar prices after near term increase due to reduction of investment tax credits from 30 to 10 percent by 2024.
    - Note MEAN energy rates have been flat over last six years
      - See slide 19 of briefing "MEAN Finance Committee MEAN Risk Oversight Committee Joint Meeting December 9, 2020" - [https://d1xqi1ehexn61z.cloudfront.net/d966-36667767-20201209PresentationFinanceandRiskOversight.pdf?versionId=ogFhT7Fa6delf6\\_LQdrKSDqZQZ3tMDiq](https://d1xqi1ehexn61z.cloudfront.net/d966-36667767-20201209PresentationFinanceandRiskOversight.pdf?versionId=ogFhT7Fa6delf6_LQdrKSDqZQZ3tMDiq)
  - Financing Rate and Years
  - DOLA Grant
  - Investment Tax Credit savings - For a 5-minute introduction, here is a How CollectiveSun Works video. <https://www.youtube.com/watch?v=KvG6DVOAoV4>
- Dianne Dandeneau is also interested in bidding the project. Her company has developed projects the last few years and has been working on some grant funded projects. You can see some the projects on her company website: [www.ipoweralliance.com](http://www.ipoweralliance.com).

## 7. Street Lighting Update - See next page for Sensus bid on street light control

- Sensus VantagePoint™ lighting control
  - Real time monitor
  - Set on/off times - no photocells
  - Dim LED lights
  - GIS mapping
  - Information
    - <https://sensus.com/solutions/lighting-control/>
    - <https://sensus.com/products/vantagepoint-lighting-software/>



Town of Lyons CO



This Pricing Quote is Valid for 60 days

15-Dec-20

**Vantage Point Street Lighting Solution Overview**

The Sensus VantagePoint™ lighting control solution enables public service providers--including cities, municipalities and utilities—to remotely monitor and control street and area lights, as well as receive billing grade data from the control modules. VantagePoint™ is a highly reliable, secure and cost effective lighting control solution which leverages the FlexNet Advanced Metering Infrastructure (AMI) network already deployed by Town of Lyons, CO for remote reading and operation of their electric and water AMI meters. The VantagePoint™ solution consists of the following elements:

- A lighting control module at each lighting fixture, installed in the existing luminaire’s photocell socket
- The existing FlexNet “Basestations” already installed throughout Town of Lyons CO Service Territory
- The VantagePoint cloud-based head-end software.

**Vantage Point Street Lighting Control Components**

**Sensus is offering to Town of Lyons Includes:**

- Stand up VantagePoint application on a production server connected to the customer’s RNI instance
- Town of Lyons to purchase modules, configured to operate on their production frequencies
- Provision VantagePoint app in the SaaS environment for production purposes with a secure URL link and logins.
- Key Benefit: Lyons CO is ready for full deployment, the SaaS production environment is already in place, the network connectivity already established. All Lyons has to do is buy additional modules.

**Detailed Product Quote**

<u>Product</u>	<u>Notes</u>	<u>Quantity</u>	<u>Price</u>	<u>Total</u>
<b>Mandatory Software</b>				
One time set up fee for Vantage Point Software		1	\$1,200	\$1,200
Annual Saas Fee Vantage Point Software & Support	#1	1	\$2,800	\$2,800
Command Link and Trimble Products (Already Owned)		0	\$0	\$0
<b>Mandatory Vantage Point Modules</b>				
VantagePoint Lighting Modules	#2	TBD	\$110	
<b>Sensus required personell effort to ensure smooth deployment</b>				
Training Time (5 hours) (ED REMOTE HRLY)	#3	1	\$1,000	\$1,000
<b>Total</b>				<b>\$5,000</b>

**Notes:** - Modules available in boxes of 50 (quantities updated appropriately)

**#1** - Includes Managed Vantage Point Software as a Service Solution for production use. Hardware and software (Vantage Point and all required third-party software). Disaster Recovery of complete system. Includes upgrade, update, and patch installs as required. Includes all licensing of required support software and servers. Communication Servers, Application Servers and Database Servers. Subject to 3% increase year over year.

**#2** - The VantagePoint™ DALI modules are installed into the existing NEMA photocell socket on each lighting fixture, replacing the existing photocell. The VantagePoint™ lighting control modules can be used to retrofit existing legacy (HPS, LPS, MH, or mercury vapor) or new LED fixtures.

**#3** - This Fee covers providing a lighting AE to validate modules are properly commissioned on the network and operating through VantagePoint. As well as system training.

## 8. 2021 Goals Update

### Electric Utility

1. Continue work on Lyons solar farm
2. Update the electric net metering program
3. Establish residential street lighting standards
4. Develop plan to upgrade to LED residential street lighting

### Water Utility

1. Review water system master planning and connect to town GIS as feasible. Determine anything that requires updating and potential priority projects.
2. Review documentation that established “Blue Line” for town and determine if the study remains valid based on 2021 conditions and technology.
3. Review water system zone and pressure issues.
4. Assess the potential existence of lead piping in service lines relative to potential contamination.
5. Work with the Fire District on issues related to hydrant flows/pressures and equipment needs.

### Wastewater Utility

1. Review wastewater system master planning and connect to town GIS as feasible. Determine anything that requires updating and potential priority projects.
2. Review planning for WWTP rerating and CDPHE general permit issues and work with town staff on implementation program in conjunction with Honeywell negotiations.
3. Develop a revised high strength wastewater charging program based on the cost to treat such wastewater above normal domestic strength wastewater.
4. Make recommendations on the adequacy and monitoring of grease traps in local businesses.

### Stormwater Utility

1. Review stormwater system master planning and connect to town GIS as feasible. Determine anything that requires updating and potential priority projects.
2. Determine feasibility and costs for addressing the Red Gulch drainage potential impacts to Lyons Valley Park.
3. Work with Ecology Board on potential water quality improvement measures at stormwater outlets.
4. Assess the effectiveness of the recently completed High Street stormwater project.

### General

1. Review and comment on Utility Financials
2. Develop an integrated Five-Year Capital Improvement Plan based on findings outlined above for all of the various utilities.