

WORKSHOP AGENDA
TOWN OF LYONS
UTILITIES AND ENGINEERING BOARD (UEB)
March 15, 2023 4:30 - 6:00 pm

LYONS TOWN HALL BOARD ROOM
with VIRTUAL MEETING option

UEB Zoom Meeting access link:

<https://us02web.zoom.us/j/83201655355?pwd=UVY3ODk0ZEhuc1pBWlJVQmJSdDJVdz09>

Password: 972968 (Does not appear to be required)

Or call: +1 346 248 7799

Meeting ID: 832 0165 5355

- I. Town of Lyons Distributed Generation (Net Metering) Policy along with possible other discussions on related electric issues and rates

Persons needing accommodations or special assistance should contact the Town at hr@townoflyons.com as soon as possible, but no later than 72 hours before the scheduled meeting

1. Town of Lyons Distributed Generation (Net Metering) Policy along with possible other discussions on related electric issues and rates

Following are links to most of the meetings that led up to the Net Metering policy change in 2021. It is unclear where the conversation may lead but the focus may start with the presentation given at the BOT Workshop on 2/16/21. See below.

UEB Meeting 9/2/20

https://www.townoflyons.com/AgendaCenter/ViewFile/Minutes/_09022020-1502

SFC Meeting 9/9/20

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_09092020-1538

BOT Meeting 10/19/20

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_10192020-1531?html=true

<https://www.townoflyons.com/AgendaCenter/ViewFile/Item/7752?fileID=16562>

BOT Net Metering Workshop 2/16/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_02162021-1619?html=true

<https://www.townoflyons.com/AgendaCenter/ViewFile/Item/8312?fileID=17619>

UEB Meeting 3/17/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Minutes/_03172021-1644

UEB Meeting 6/2/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Minutes/_06022021-1693

UEB Meeting 6/16/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Minutes/_06162021-1697

BOT Net Metering Workshop 6/21/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_06212021-1705?html=true

BOT Meeting Net Metering 1st Reading 7/6/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_07062021-1711?html=true

BOT Meeting Net Metering 2nd Reading 7/19/21

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_07192021-1720?html=true

UEB Meeting 8/3/22 - Includes recommended changes to Town website

https://www.townoflyons.com/AgendaCenter/ViewFile/Agenda/_08032022-2004

https://www.townoflyons.com/AgendaCenter/ViewFile/Minutes/_08032022-2004

BOT Workshop on Green Rate 1/17/23 - has some additional charts on MEAN

<https://www.townoflyons.com/AgendaCenter/ViewFile/Item/11123?fileID=22759>

Other Links:

Town of Lyons Net Metering Page

<https://www.townoflyons.com/152/Net-Metering>

EPSIM Town of Lyons Electric System Cost of Services Study, December 8, 2016

See pages 70 - 75

<https://www.townoflyons.com/DocumentCenter/View/870>

LMC Sec. 13-2-80. - Customer-owned residential generation of electricity.

https://library.municode.com/co/lyons/codes/municipal_code?nodeId=CH13MUUT_ART2ELSE_S13-2-80CUNEREGEEL

NRDC A Four Point Guide to California's Net Metering Update

https://www.nrdc.org/experts/mohit-chhabra/four-point-guide-californias-net-metering-update?fbclid=IwAR31E25H7mxW3Jxbb6A-TcKFmarqENIBAw_hMkjPRUDbd_hpEqEV_mqtFcg

There has also been much back and forth on Facebook Lyons Open Discussions Page. You can search on "net metering" and find a lot of commentary. Here is a link to one of the more recent posts:

<https://www.facebook.com/groups/726520760712823/permalink/5583528801678637>

Additional links provided by Gina Hardin:

I know that the following articles are not directly on-point with net-metering. I just think the board (and everyone else) needs this background on (1) the urgency of the situation; and (2) that the cost of renewable energy with storage is cheaper than the coal upon which MEAN's system depends, in order to make sound decisions moving forward.

Many thanks,
Gina

<https://www.cnn.com/2023/01/30/world/global-warming-critical-threshold-climate-intl/index.html>

A dire forecast: Scientists used AI to find planet could cross critical warming threshold sooner than expected | CNN

The planet could cross critical global warming thresholds sooner than previous models have predicted, even with concerted global climate action, according to a new study using machine learning.
www.cnn.com

1 A dire forecast: Scientists used AI to find planet could cross critical warming threshold sooner than expected
By Christian Edwards, CNN(based on an AI study by Noah Diffenbaugh, a professor at Stanford University and Elizabeth Barnes, a professor at Colorado State University)
Published 3:03 PM EST, Mon January 30, 2023

"The planet could cross critical [global warming](#) thresholds sooner than previous models have predicted, even with concerted global climate action, according to a new study using machine learning. The study estimates that the planet could reach 1.5 degrees Celsius of warming above pre-industrial levels in a decade, and found a "substantial possibility" of global temperature rises crossing the 2-degree threshold by mid-century, even with significant global efforts to bring down planet-warming pollution.

1.1.1 . . .

Data shows average global temperature has already climbed risen around [1.1 to 1.2 degrees since industrialization](#).

Scientists have identified 1.5 degrees of warming as a [key tipping point](#) beyond which the chances of extreme flooding, drought, wildfires and food shortages will increase dramatically.

Temperature rises over 2 degrees could bring [catastrophic and potentially irreversible impacts](#), including pushing three billion people into "chronic water scarcity."

If emissions stay high, Diffenbaugh said, the AI predicted a 50% probability that 2 degrees will be reached before 2050."

<https://www.utilitydive.com/news/renewables-cheaper-energy-than-99-percent-of-us-coal-plants-just-energy-transition/642393/>

Renewables would provide cheaper energy than 99% of US coal plants and catalyze a just energy transition

Investment in lower-cost wind and solar resources is an economic opportunity worth up to \$589 billion, providing jobs and tax base to coal communities.

www.utilitydive.com

<https://carbontracker.org/reports/colorados-renewables-revolution/>

Colorado's renewables revolution gathers steam - Carbon Tracker Initiative

Summary: Xcel Energy's 2017 Colorado filing shows the median bid price for wind plus storage was...
carbontracker.org

"Based on our modelling, the median bid for wind plus storage is lower than the operating cost of all coal plants currently in Colorado, while the median solar plus storage bid is lower than 74% of operating coal capacity."

<https://www.utilitydive.com/news/xcel-solicitation-returns-incredible-renewable-energy-storage-bids/514287/>

Xcel solicitation returns 'incredible' renewable energy, storage bids

Bids for wind and solar energy combined with battery storage could be the lowest yet, analysts said on social media.
www.utilitydive.com

Note that the pricing chart for Xcel's 2017 open source bid shows prices in kW for the top section (incl FF technologies and MWh for Wind and Solar. Therefore, even 5 years ago, new wind and solar with storage was less expensive than new Fossil Fuel technologies.

Xcel 30-day status report

<https://www.utilitydive.com/news/xcels-record-low-price-procurement-highlights-benefits-of-all-source-compe/600240/>

Xcel's record-low-price procurement highlights benefits of all-source competitive solicitations

The utility's Colorado division showed how competitive bidding benefits customers if regulators protect the quality of the process.
www.utilitydive.com

"Xcel's ASCS returned a \$0.0107/kWh bid for wind, a \$0.023/kWh bid for solar, and a \$0.03/kWh bid for solar-plus-storage, according to [a February 2021 Xcel presentation](#) to Michigan regulators. These prices, compared to Colorado's average January 2021

residential electricity price of [\\$0.126/kWh](#), have other utilities asking how they can use this procurement approach."