AGENDA

KSITE Meeting March 10, 2022, 12:00 pm
Virtual Zoom Meeting

Janelle kicked off meeting at Noon and went through agenda items 1-4 as well as mentioning that our intent for this meeting after gone virtual to refund or push charges to the next in-person meeting.

Chapter Board Members Present:
Janelle Clayton – Past President
Michael Hare – Vice President
Zach Baker – Secretary / Treasurer
Jeremy Stretz – Member Director

96 attendees present, see list below for reference.

1. **KSITE 2022 Membership & Sponsorship Reminder:** If you have not already, please do not forget to sign up on ITE's national page for your yearly membership. Also, though your company's logo will not be on the table tents that we have prepared, you are still able to be a KSITE sponsor for the low price of $100.

2. **Recent Events:**

   - KSITE January Meeting: KCI Project Update
     Speaker: Daniel Moylan – Sr. Development Manager with Edgemoor

   - MoDOT Transportation Impact Analysis (TIA) Guidance Training (EPG 905.3)
     - January 25, 2022
     - January 27, 2022
     - February 1, 2022
     - February 2, 2022

3. **Upcoming Events:**

   - MODOT TEAM Conference (Osage Beach, MO) – March 23-25

Officers: **www.ksite.org**

President	Krystal Jolly	krystal.jolly@modot.mo.gov
Vice-President	Michael Hare	mhare@HNTB.com
Secretary/Treasurer	Zach Baker	ZDBaker@olatheks.org
Member Director	Jeremy Stretz	jstretz@olsson.com
Past President	Janelle Clayton	jclayton@mergemidwest.com

- KDOT Transportation Engineering Conference (Manhattan, KS) – April 12th
- MOVITE Spring Meeting – April 20-22, Overland Park, KS
- ITS Heartland – April 25-27, Lincoln, NE

4. **MOVITE Spring 2022 Meeting:** Registration is open and sponsorship opportunities are available.

5. **PDH Certificates –** Will email to those we see online. If you call in and your name is not recognizable, please email krystal.jolly@modot.mo.gov for a copy.

6. **Chapter Meeting Presentation: The Electrifying Truth: The Impacts of Vehicle Electrification**

   Speakers: Blake Hansen, PE, PTOE, PMP and Rusty Hartman, PE with Olsson.

PLEASE WELCOME OUR SPEAKER:

7. **Question and Answer:**

Q. How long before we see a standardized charging terminal that can provide a fast enough charge to be competitive with Tesla's superchargers?

A. Difficult to say – as we get 4 or 5 different models out from large OEM's there will likely be a drive to standardize electric port. Question is also – do our fueling stations change and become a shopping center, or otherwise entertainment centers?

Q. If electrical companies are interested in selling more power, shouldn't they also be responsible for increasing their infrastructure?

A. Rusty agrees, the "rate base" is typically what pays for this as a whole. They'll design, build, and recover those funds from the rate base itself.

Q. Autonomous Vehicles will have what impact?

A. Blanket assumption at some level was that all autonomous vehicles will likely also be "EV's". Question from this was is there a need for the autonomous vehicle to have a "docking station" for them.

Q. Any insight on the ROI of installing solar panels on your home? Is it still more a investment in the environment rather than a cost savings?

A. Connection fee is still going to be out there, but the ROI will increase as the rate's of electricity providers goes up… Solar panels also have a maintenance cost associated with them, including end of life cycle cost.

Q. Will QuikTrip, Casey's, etc. be interested in installing electrical charging stations when they are in the business now of selling gas? Or would they be interested because of the business of selling snacks and drinks?

A. *A lot currently have buried their head in the sand and not looking to the future.*

Q. Do you think we will ever fully get way from gas/petroleum products in the transportation industry?

A. *Will certainly go down, but not in our lifetime.*

8. **Next Meeting:** Tentatively scheduled for May 12, 2022 at the Olathe Community Center with a topic of KDOT's IKE program

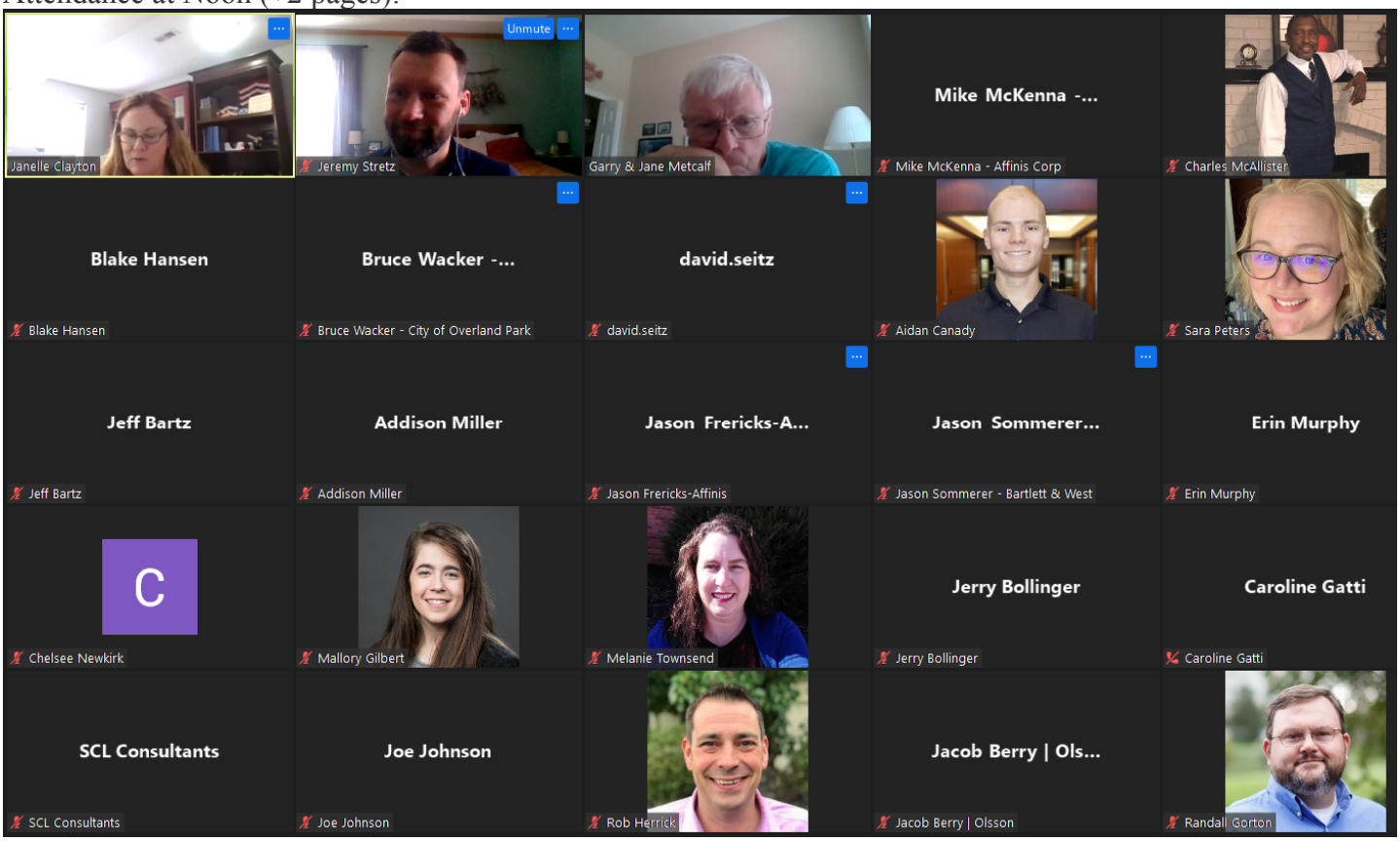
9. **Adjourn**
Meeting adjourned at 1:05pm

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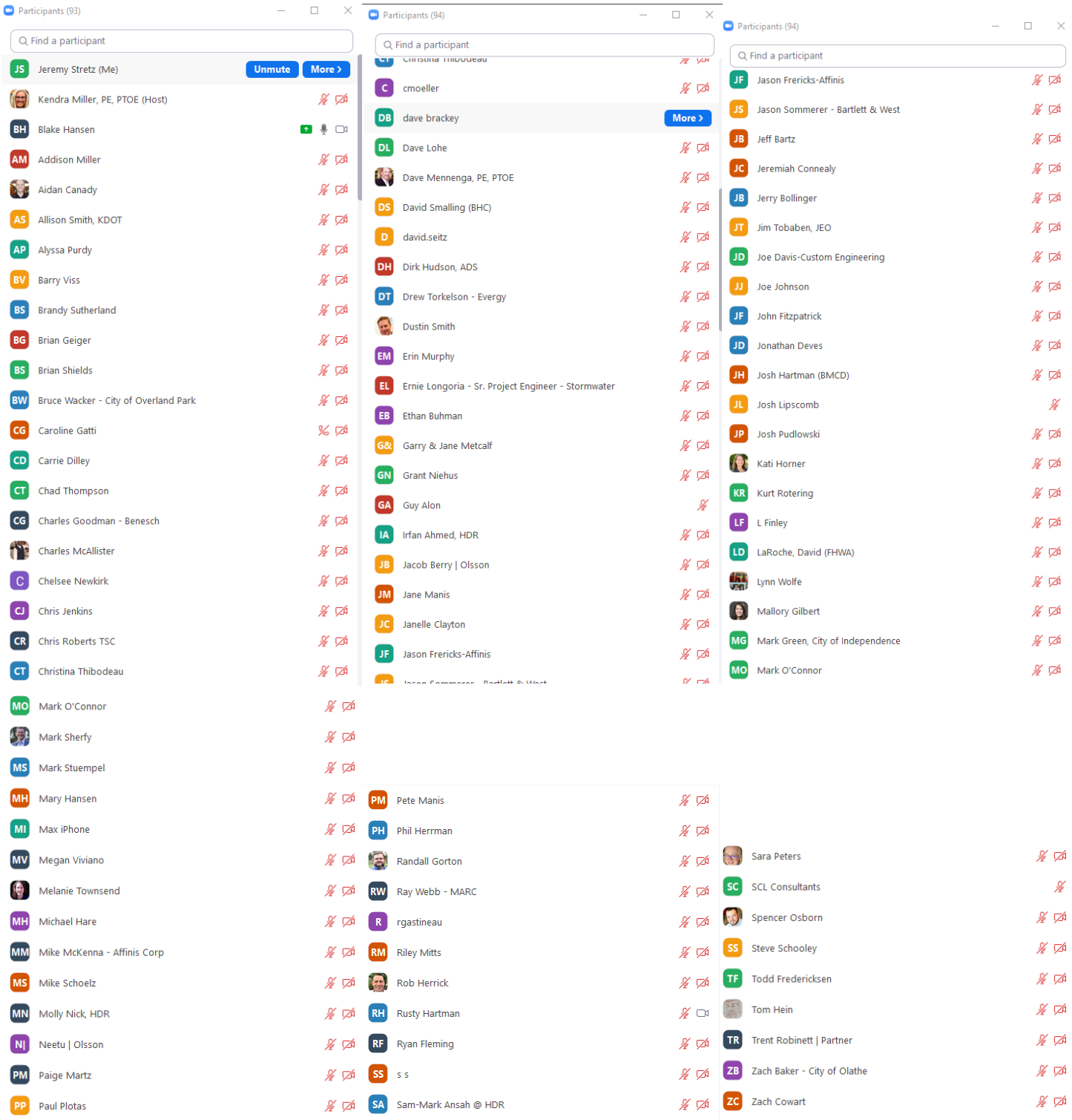

Kimley»Horn
Expect More. Experience Better.
benesch
wsp
TREKK
DESIGN GROUP, LLC
GRE
GREAT RIVER
ENGINEERING
iteris
Renaissance
Infrastructure
Consulting
BURNS McDONNELL
Bartlett
&West
GARVER
MERGE
MIDWEST
ENGINEERING
HDR
STREETLIGHT
DATA
infotech
CUSTOM ENGINEERING
MECHANICAL & ELECTRICAL ENGINEERING
TranSystems
EXPERIENCE | Transportation
olsson
CBB
TRANSPORTATION
ENGINEERS+PLANNERS
BHC
CIVIL ENGINEERING / SURVEYING / UTILITIES
HNTB
GBA
MAS
MID AMERICAN SIGNAL
walter
p moore

Attendance at Noon (+2 pages):



96 members max at 12:25p

Cmoeller - Cynthia Moeller-Krass, PE cmoeller-krass@cityofshawnee.org
Max iphone - Perry Xu pxu@walterpmoore.com



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History of EVs



IMAGE SOURCE: Unknown author, CC BY-SA 4.0
https://upload.wikimedia.org/wikipedia/commons/7/7f/NYC_Electric_taxicabs_%281897%29.jpg

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1832	First EV Prototype
1890	First EV in the US
1897	NYC pilots first Electric Taxis
1898	First Hybrid by Porche
1912	ICVs become more popular than EVs
1935	EV's all but gone
1960-79	High oil prices, Arab Oil Embargo of 1973 spark renewed interest

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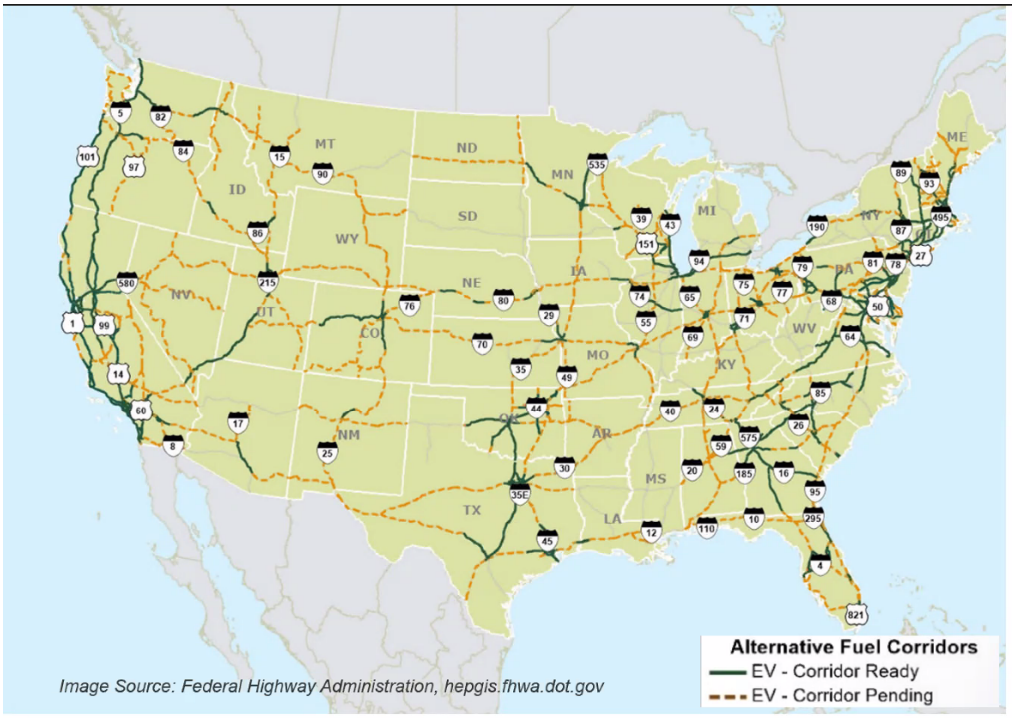


Image Source: Federal Highway Administration, hepgis.fhwa.dot.gov

Designated Alternative Fuel Corridors

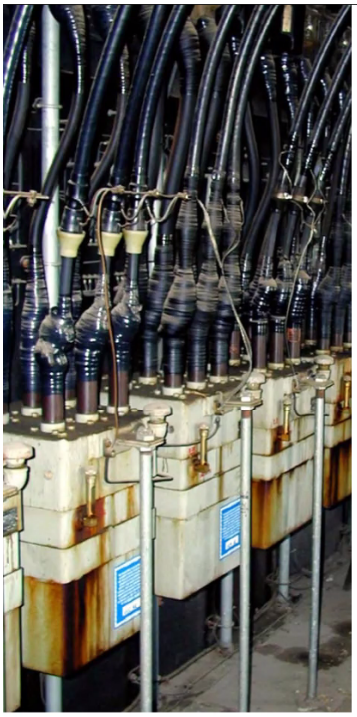
VIEW LIVE MAP

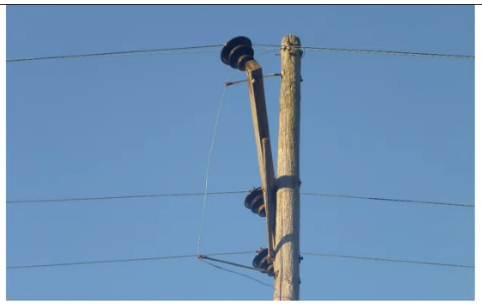
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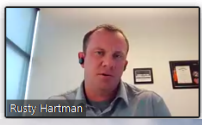




Aging Grid And Infrastructure

- Average Utility Infrastructure Age Nationwide Beyond Life Cycle
- Aging Workforce to Design/Maintain/Replace
- Replacing 1948 equipment with equivalent capacity without increase

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Distributed Generation
Can We Support It?
Can We Utilize The Power?

- Rooftop Solar
- Community Developments
- Becoming More Cost Effective Everyday for Individual Investment
- Battery Storage – The Great Unknown (10 Year Lifespans Currently)

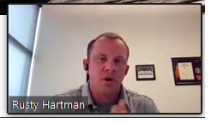
Residential Areas

- Transformer Per Three Houses
- 100, 200, 400-amp Service
- Developer Attitudes





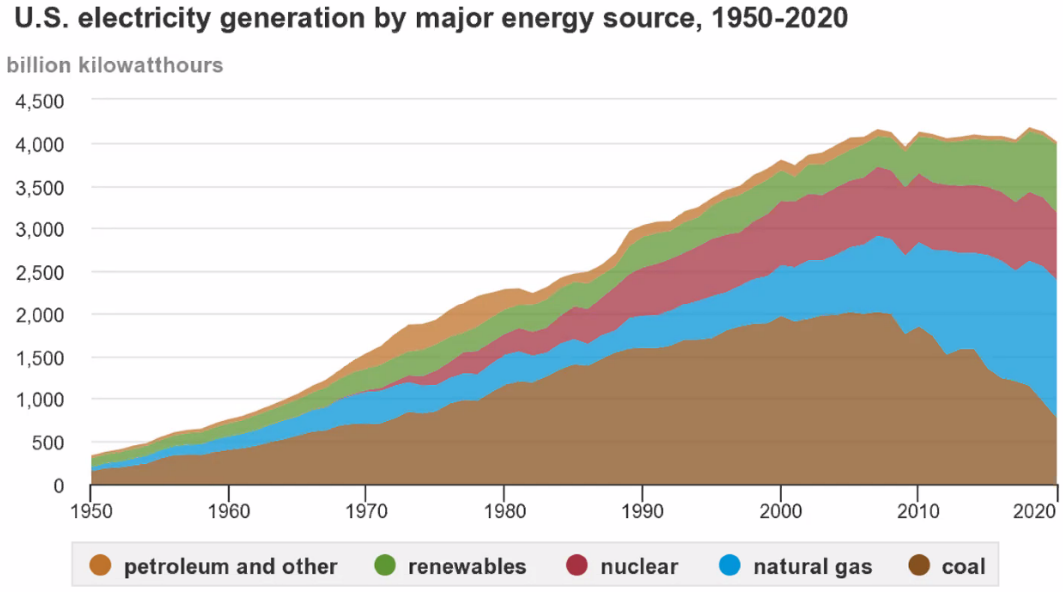
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Power Grid Impacts

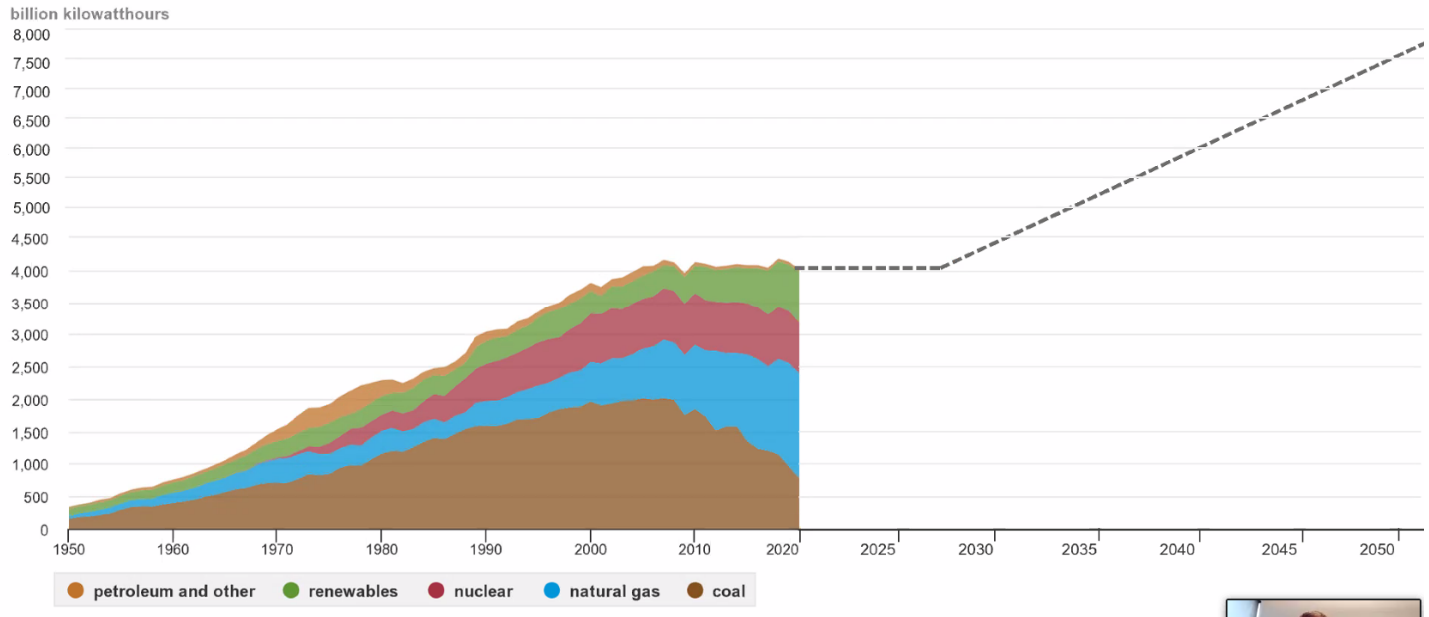


Note: Electricity generation from utility-scale facilities.
Source: U.S. Energy Information Administration, *Monthly Energy Review*, Table 7.2a, January 2021 and *Electric Power Monthly*, February 2021, preliminary data for 2020

https://www.eia.gov/energyexplained/electricity/electricity-in-the-us-generation-



Power Grid Impacts - Future



Note: Electricity generation from utility-scale facilities.
Source: U.S. Energy Information Administration, *Monthly Energy Review*, Table 7.2a, January 2021 and *Electric Power Monthly*, February 2021, preliminary data for 2020

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	Order #	Name	Company	Email	Type
1	5797	Addison Miller	Affinis	addmiller2	Member
2	5763	Aidan Canady	George Butler Associates Inc	acanady@	Member
3	5831	Allison Smith	KDOT	allison.smi	Guest
4	5815	Alyssa Purdy	Bartlett & West	alyssa.purc	Guest
5	5806	Amy McCurdy	McCurdy Engineers	amccurdy@	Guest
6	5788	Anthony Gallo	Kimley-Horn	anthony.ga	Member
7	5728	Barry Viss	Mid-America Regional Council	bviss@mar	Guest
8	5838	Brandy Sutherland	Blue Valley Consultants, LLC	brandy.sut	Guest
9	5776	Brenda Macke	Burns & McDonnell	brmacke@	Guest
10	5730	Brian C. Geiger	City of Overland Park	Brian.Geig	Member
11	5842	Brian Shields	City of Overland Park, KS	brian.shiel	Guest
12	5745	Bruce L. Wacker	City of Overland Park	bruce.wacl	Member
13	5826	Caroline Gatti	HNTB	cgatti@hnt	Guest
14	5810	Carrie Dilley	Crawford, Murphy & Tilly	cdilley@cn	Member
15	5807	Chad Thompson	City of Kansas City, Missouri	chad.thom	Guest
16	5845	Charles Goodman	Alfred Benesch & Co	cgoodman	Guest
17	5840	Chelsee Newkirk	City of Overland Park	chelsee.ne	Guest
18	5814	Cheryl Bornheimer Kelley	Burns & McDonnell	clkelley@b	Guest
19	5851	Chris Jenkins	Mid-America Regional Council	cjenkins@r	Member
20	5852	Chris Roberts	TranSystems	csproberts	Guest
21	5781	Christina Thibodeau	Olsson	cthibodeau	Member
22	5724	David Smalling	BHC Rhodes	dksmalling	Member
23	5738	David A. Church	WSP USA, Inc.	david.chur	Member
24	5805	David B MacDonald	Traffic Control Corporation	dmacb4u@	Member
25	5833	David Lohe	City of Lee's Summit	david.lohe	Guest
26	5829	David Seitz		david.seitz	Guest
27	5733	Dirk Hudson	Advanced Drainage Systems	dirk.hudso	Guest
28	5759	Drew Torkelson	Evergy	drew.torke	Guest
29	5753	Erin Murphy	Olsson	emurphy@	Member
30	5837	Ernie Longoria	City of Shawnee, KS	elongoria@	Guest
31	5811	Ethan Buhman	Walter P Moore	ebuhman@	Guest
32	5834	Guy Alon	City of Overland Park	guy.alon@	Member
33	5749	Irfan Ahmed	HDR	irfan.ahme	Member
34	5726	J. Phil Herrman	Burns & McDonnell	jpherrman	Guest
35	5734	Jaclyn A White	City of Grandview	justagemp	Member
36	5795	Jacob Berry	Olsson Associates, Inc	jaberry@o	Member
37	5832	James Tobaben, 6335607	JEO Consulting Group, Inc.	jtobaben@	Member
38	5729	James J. Stanek, Jr.	TranSystems	jjstanek@t	Member
39	5809	Jane Manis	City of Overland Park, KS	jane.manis	Guest
40	5787	Janelle Clayton	Merge Midwest Engineering, LLC	jclayton@r	Member
41	5846	Jason Frericks	Affinis Corp.	jfrericks@a	Member
42	5812	Jason Sommerer	Bartlett & West	jason.somr	Guest
43	5757	Jeff McKerrow	Kimley-Horn	jeff.mckerr	Member
44	5843	Jeffrey Bartz	City of Shawnee	jbartz@cit	Guest
45	5752	Jeremiah Connealy	Olsson	jconnealy@	Member
46	5782	Jeremy Stretz	Olsson, Inc.	jstretz@ols	Member
47	5731	Jessica Hutton	Burns & McDonnell	jmhutton@	Guest
48	5755	Joe C Johnson	Olsson	jcjohnson@	Member
49	5735	Josh Pudlowski	Olsson Associates, Inc.	jpudlowski	Member
50	5754	Justin Seabaugh	Garver	JMSeabaug	Member
51	5760	Kahlil Owens	City of Grandview	KOwens@g	Guest
52	5799	Kati Horner Gonzalez	Walter P Moore	khorner@v	Guest
53	5762	Kendra Miller	GBA, Inc.	kmiller@gb	Member
54	5767	Larry Finley		lrfce75@at	Guest
55	5819	Mahmoud Hadjian	City of Kansas City, Missouri	mahmoud.	Guest
56	5762	Mallory Gilbert	GBA	mgilbert@	Guest
57	5727	Mark O'Connor	Info Tech	Mark.OCor	Member

58	5736	Mark Sherfy		mark.sherf	Member
59	5822	Mary Hansen	WSP	mary.hans	Guest
60	5817	Matt Emerson	City of Overland Park Kansas	matt.emer	Guest
61	5839	Melanie Townsend	Hg Consult, Inc.	melanie@t	Guest
62	5723	Michael Hare	HNTB	mhare@hr	Member
63	5758	Mike Schoelz	Olsson	mschoelz@	Member
64	5783	Nathan Hladky	Hg Consult, Inc.	nhladky@h	Guest
65	5756	Neetu Choubey	Olsson	nchoubey@	Guest
66	5808	Paige Martz	CBB	pmartz@cl	Member
67	5740	Patrick Rhoads	Hg Consult	prhoads@h	Guest
68	5742	Paul Plotas	Burns & McDonnell	pvplotas@	Member
69	5821	Paula Parke	City of Lenexa	pparke@le	Member
70	5725	Randall Gorton	BHC Rhodes	randall.gor	Member
71	5828	Robbie Gastineau, Clarence	Olsson, Inc.	rgastineau	Member
72	5746	Robert Wolfe	Retired (Alabama DOT)	wolfmanto	Guest
73	5820	Ryan Fleming	Olsson	rfleming@	Guest
74	5796	Sam-Mark Ansah	HDR	sam-mark.	Guest
75	5813	Sara Peters	KDOT	Sara.Peter	Member
76	5737	Spencer Osborn		sosborn@t	Member
-	5836	Steve Limkemann	SCL Consultants	steve@scl	Guest
77	5741	Steve Limkemann	SCL Consultants	steve@scl	Guest
78	5751	Steve R Schooley	City of Lenexa	sschooley@	Member
79	5835	Todd A. Fredericksen	Olsson, Inc.	tfredericks	Member
80	5823	Tom Ingram	CFS Engineers, P.A.	tingram@c	Member
81	5816	Tom Hein	Kansas DOT	tom.hein@	Guest
82	5739	William R. Herrick	Trekk Design Group	rherrick@t	Member
83	5841	Zach Cowart	HNTB	zcowart@h	Member
84	5732	Zachary Doyle Baker	City of Olathe	zdbaker@c	Member

85		Charles McAllister	
86		Cynthia Moeller-Krass	City of Shawnee
87		Dave Brackey	
88		Dave Mennenga	GBA
89		David LaRoche	FHWA
90		Dustin Smith	City of Lawrence
91		Gary Metcalf	
92		Grant Niehus	Jane Metcalf
93		Jane Metcalf	
94		Jerry Bollinger	
95		Joe Davis	Custon Engineering
96		John Fitzpatrick	
97		Jonathan Deves	
98		Josh Hartman	Burns & McDonnell
99		Josh Lipscomb	
100		Kurt Rotering	Olsson
101		Lynn Wolfe	
102		Mark Green	City of Independence
103		Mark Stuempel	Merge Midwest Engineering, LLC
104		Mike McKenna	Affinis
105		Molly Nick	HDR
106		Perry Xu	Walter P Moore
107		Peter Manis	
108		Ray Webb	
109		Riley Mitts	
110		Trent Robinett	Partner
111	SPEAKER PD	Blake Hansen	Olsson
112	SPEAKER PD	Rusty Hartman	Olsson

96 Total Present