



City of Idaho Falls
Environment & Sustainability
CUSP Committee Meeting
Chair: Kris Millgate
Vice-Chair: Stephanie Austad

March 11, 2020
10:30 a.m.
Activity Center
1575 N. Skyline Dr.
Idaho Falls, ID 83402

MINUTES

Roll Call:

Adams C.	X	Evaly, J.		Millgate K.	X	Silverman H.	
Austad S.	X	Haney, C.		Morales K.	X	Vazhnik V.	X
Cherry B.	X	Lepler K.		Sehlke G.			

Call to Order:

The meeting was called to order at 10:32 am by committee chair Kris Millgate.

Approval of Minutes:

Veronika motioned to approve the 02/26/20 minutes.
Bob seconded the motion.
All in Favor.

Speaker: Stephen Boorman, Idaho Falls Power Engineering Manager

See attached IFP presentation.

V. Vazhnik: What is the composition of the power generation?

S. Boorman: Wind and solar are about 30% capacity factor. Peak demands tend to be natural gas.

Transmission is a huge limiting factor.

Drivers for decrease in residential energy use – meters, energy efficiency (appliances), conversion from electric to gas. Higher peaks are in heating season, but starting to see an increase in air conditioning.

When you sign up for Bonneville Power, you are required to implement conservation measures.

C. Adams: How do you judge the effectiveness of the conservation dollars spent?

S. Boorman: Conservation goals set by committee (Northwest Power Conservation Council)

V. Vazhnik: What kind of incentives do you provide?

S. Boorman: See slides – IF Power website. Does not know the ratio of funding to each category.

B. Cherry: What are the main power uses of the waste treatment plant?
Aeration?

S. Boorman: Not sure, probably pumps and aeration. They do heat the effluent, but they use the methane off-gas to heat.

This year the City will replace high pressure sodium to LED street lights. All new lights are cut-off lighting. 4000 Kelvin lights for main arterial; 3000 Kelvin for residential.

C. Adams: Are incentives available for on-site power generation throughout the NW?

S. Boorman: In the NW, it does not include power generation or switching from electric to gas.

B Cherry: What is the objective of the energy code?

S. Boorman: Just energy conservation.

V. Vazhnik: Does the City have electric vehicle charging stations.

S. Boorman: The city has 2 electric vehicle stations at the City of IF power office. As part of the Volkswagen settlement, there is a station at west side Walmart.

Vazhnik: Recommend adding charging station map to city website

Vazhnik: Is there an incentive to switch to electric vehicles, like solar panels?

S. Boorman: Those incentives are not from the power utility. Since more affluent customers generally install solar panels, it ends up that the less affluent customers are subsidizing more affluent users.

Vazhnik: Is there a push for 100% renewable?

S. Boorman: IF Power is now 98% renewable. Since the peak is bought from market, they can't specify that.

Vazhnik: Is incineration an option? Spokane has a plant that burns waste. Power generation is not their primary goal though.

S. Boorman: Emissions and environmental issues prevent it for IF Power.

Vazhnik: Can electric vehicle charging stations at workplace help with diversity?

S. Boorman: Actually, charging in the evening is better, because daytime is peak. The residential transformer might be a limiting factor in the future if electric vehicles become more common. Time of use rates need to double before it changes most people's habits.

Nuclear Power: Small modular reactor and nuclear has huge potential. IF Power would purchase from Utah Association of Municipal Power (UAMPS).

B. Cherry: What about hydrogen vehicles?

S. Boorman: Not as common and not much for recharging infrastructure.

B. Cherry: How much effort has the utility spent on future climate change impact planning.

S. Boorman: Need to adapt, but have not spent time on a future impact plan. Fire and lodgepole pine die-off are impacts.

K. Morales: Have you looked at population increases due to climate change?

S. Boorman: Not specifically, but the utility needs to stay adaptable.

B. Cherry: How much does having inexpensive power limit you for implementing energy saving measures.

S. Boorman: Doesn't limit and gives them more ability over time because of cash reserves. IF Power has reinvested on a continuing basis as items depreciate.

C. Adams: What are the top 3 things you'd push for?

S. Boorman: Small Modular Reactor is the number one.

Public Comment:

No public attendees.

Finalize Mini-Committees:

Waste: Catherine, Katrin, Veronika

Water: Heather, Jennifer, Kris, Steph

Energy: Bob, Colby, Katelyn, Jerry

Discuss Vision Statement:

To inspire a community that embraces sustainability through educated incentives that improve public action for and awareness of our environment.

Call for Agenda/Action Items

Building department for energy efficient commercial and residential buildings

Planning department – is anyone planning for future energy efficiency? Are there ways the city is planning for future growth?

Is there a policy on vehicles? Where do emissions fit into our targets?

Vazhnik: Consider recommending citywide emission reduction goal?

Millgate: contacting city building and planning sources to speak at next meeting.

Announce Next Meeting Date/Time:

April 1, 2020; 10:30 am - CANCELLED

This meeting and all future public meetings of full committee are cancelled until further notice due to COVID-19 restrictions.

Adjourn:



Environment
& Sustainability
Committee

Adjourned: 12:00pm

END NOTES

Recorded by:
S. Austad

***Environment & Sustainability
Committee Meeting
11 March 2020***

What is Sustainability?

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2018 NUMBERS

ENERGY SAVINGS



CUSTOMER NUMBERS

23,888
RESIDENTIAL

4,240
COMMERCIAL

4
INDUSTRIAL

RESIDENTIAL RETAIL ELECTRIC RATE

Idaho Falls Power



6.05¢
PER kWh

Idaho



9.58¢
PER kWh

United States



12.95¢
PER kWh

LED UPGRADES

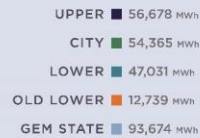
161 STREET LIGHT POLES W/ LED IN 2018



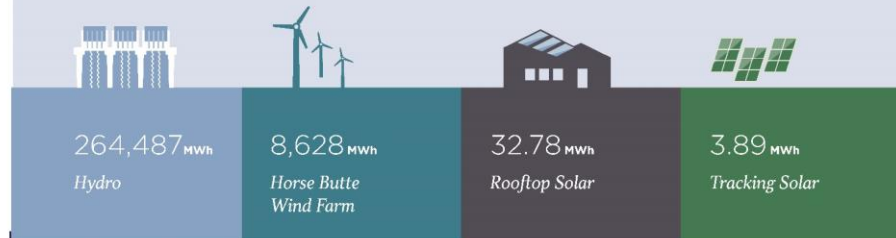
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GENERATION

FY18 GENERATION BY PLANT



FY18 PURCHASED ENERGY



2018 SYSTEM PEAK



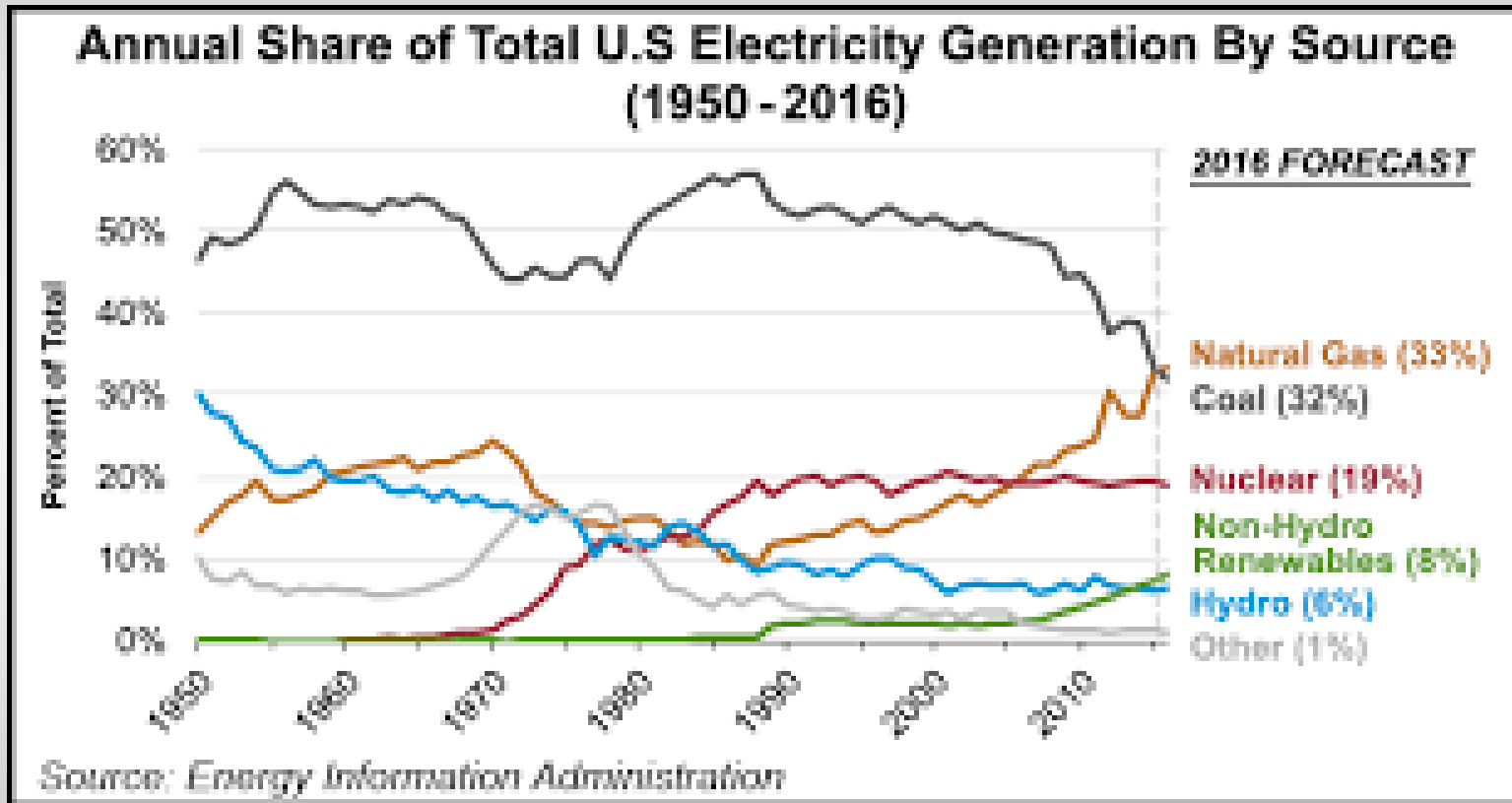
GEM LAKE



\$2,700
SCHOLARSHIPS
awarded to local H.S.
Students sponsored by IFP
at ICUA Rally

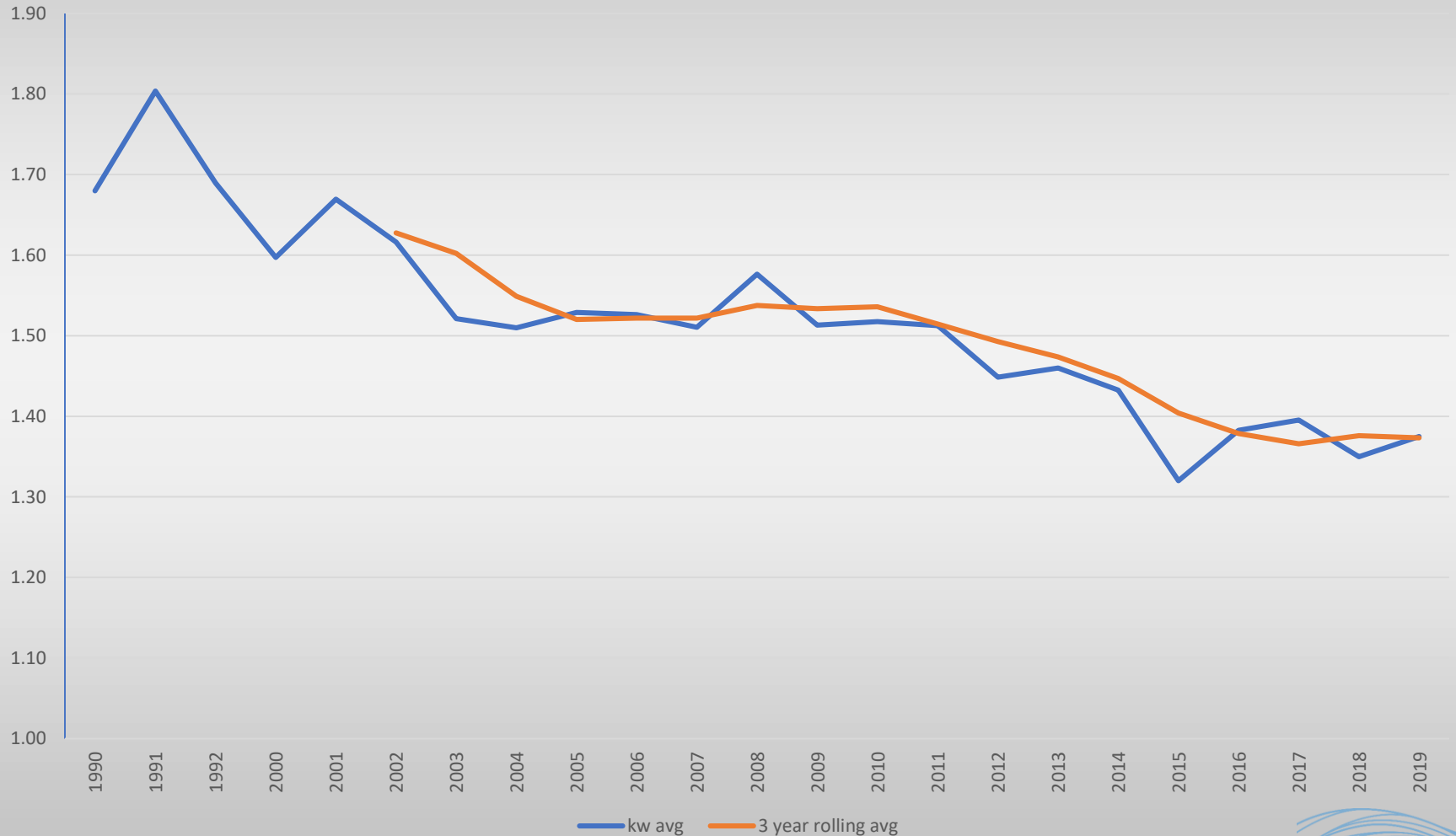
1,650
VISITORS
touring IFP Plants
in 2018

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IFP Average Residential Usage (kw)



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Idaho Falls Expenditures and kWh Savings		
Rate Period	SOY	kWh
12-13	\$ 1,466,747.00	10,416,951
14-15	\$ 1,542,600.00	9,378,360
16-17	\$ 1,691,634.31	10,522,427
18-19	\$ 1,344,420.12	9,260,386
20-21	\$ 1,218,305.74	2,090,512

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Year	Name	Annual kWh Saved	Incentive
• 2017	EIRMC Chiller	410,077	\$47,112.00
• 2017	NW Cosmetics	112,204	\$11,385.00
• 2016	City Shop Compressor	10,030	\$1,968.90
• 2016	City IF WWTP	3,609,126	\$150,000.00
• 2015	Edgemont Elementary	808,589	\$125,000.00
• 2015	Ethel Boyes Elementary	836,710	\$125,000.00
• 2015	Longfellow Elementary	826,922	\$125,000.00
• 2015	Edgemont Elementary	825,794	\$125,000.00

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Appliances

Heating & Air Conditioning

Home Energy Consultation

Insulation

Water Heating

[Home](#) > [Government](#) > [Departments](#) > [Idaho Falls Power](#) > [Efficiency & Environment](#) > [Energy Efficiency](#) > [For Your Home](#)

For Your Home

Idaho Falls Power is proud to provide our customers with a variety of programs and information that will help them save money, save energy, and save time. Idaho Falls Power offers both rebates and zero-interest loans for residential customers who participate in our energy efficiency programs. Our net metering program allows homeowners to generate power for their home, while obtaining a financial incentive for excess energy produced by their system. The links below provide more detail about our programs.

Energy Consultation



Heating & AC



Water Heating



Insulation



Appliances



Net Metering



Contact Us

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What does the future hold?

- Continual energy efficiency?
 - What is next after LED lightbulbs
 - Distribution system improvements
 - Low loss transformers 2016 requirement
 - Building code changes?
- Recycling?
 - It is often an expense
 - IFP recycles the bulk of our scrap construction materials
 - IFP recycles office materials under contract with western recycling (not a city wide program).

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- Electric Vehicles?
 - Charging Stations?
 - Time of use
- LED Street lighting?
 - Plan to have majority of main roads upgraded in 2020
- Demand side management?
- Nuclear Power?