

### COMMENT FORM

Please use the space below to file a comment in this case. Add extra sheets as needed. You may either hand this sheet to a commission staff member or mail it to: IPUC, PO Box 83720, Boise, ID 83720-0074

My family dat sodlar papels
in 2016 and it is mortalit to do
sodier It is infair for people who
have sodior people. Who want sodioir
and people who want a clean plannet
for sollar to be even more unitordible
Not every one can afford sodiac right
now and even fewer after this is
en Forned.
enforced.
Print Name Anise Welty Sign Name Mile Welty
Address 2309 Malad St. Phone Number 208) 559-3673
City and State 66.50 D Zip Code 8370 5



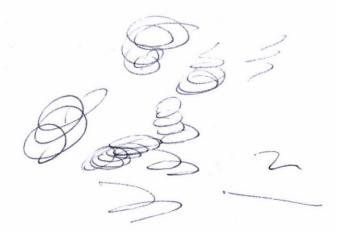
From: An Angry Citizen of Idaho

IPC-E-18-15 Boise, Idaho 12/03/19

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Three ways how solar generation benefit the grid and the public
# I Peak Load Reduction: When everyone is cranking up
the AC to fight the summer, solar generation is at its
peak too! nent
#2. Cost to expand electricity production capacity through
other means: solar customers offset the growing demand
for more power plants!
#3. Less trasporting cost and overall loading of the grid:
Just like the traffic is reduced on the highway when more
people work where You Live!! Solar energy is generated
Where is consumed!
All over the world, companies pay fremium to carbon credits, Solar
Customers should get PAID MORE for the carbon credits in each kinh the
Print Name Ven Loe Sign Name Londer Sign Name
Address 8019 W Blackberry CA Phone Number 2087615708
City and State Boise ID Zip Code 83709







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I am the manager of 2 solar distributors in Idaho and supply
the majority of solar in the stale. Over the last year, I have watched
our company grow in numbers as well as many of my customers
the installers. There are thousands of jobs currently in the Idah,
solar market, and that number continues to grow at an exponentia
rate. The jobs are all livable wages in many different
capacities. This proposal would kill this booming industry.
It would eliminate the current and future jobs that only benefit
Idaho. The Solar Industry is a benefit to Idaho onel every
Idahoian. The ONLY people that benefit from this proposal
is Idaho Power cashing in on the public. As the
public utility commission, it is your job to defend the
public. Reject this bill and support the people of Idaha.
Print Name Brian Freemon Sign Name
Address 10319 W Brownstone Phone Number 541-990-9171
City and State Rolls TD Zin Code 83709



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Click on the "Case Comment Form" link
Please reject Idaho Power's request - they chim to be concerned
about fairness - but what about the tens of thousands of dollars in
investment by net metering customers that they are trying to invalidate -or
the 2 million kilowett hour credits accorned by net metering customers - nullifying
or de-valuing that is absolutely unfair! As a result, I also request that
existing net metering agreements be grandfathered-in.
Finally, I want to mention the PUC's responsibility to act in the public interest.
Energy independence is a strategic resource for this nation. The Hattonal Renewable
Energy Laboratory has estimated that 40% of our nation's energy needs could
be met by rooftop sokr - If only Idaho Power would work to incentivize
it. The PUC could be apart of making that happen! Thank
you for your time!
Print Name Jediciah Thomet Sign Name JA2
Address 11101 W. Sandhurst Dr Phone Number (208) 371-4256
City and State Boise, ID Zip Code 83709



12/3/19



IPC-E-18-15 Boise, Idaho 12/03/19

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If you pass this bill, I Look forward to the
If you pass this bill, I Look forward to the class action law suite against all parties involved.
Print Name Travis Layword Sign Name To
Address 16670 Ustick Rd Phone Number 208-880-6441
City and State Caldwell, ID Zip Code 83607



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I toget to vaise my concerns about the relations-
Ship between the power company and Golar
producers on the shutting down power during nork
on powerly see schedules and schoolule & definitions
By They Schedule 6 conditions of Purchase and side #3
The Need veworked and power company locks power off etc
Print Name Michael McBride Sign Name Multhub
Address 2502 Laune l'ane Phone Number 208 595 1035
City and State Twin Fulk, III Zip Code 8 3301



12/3/19

IPC-E-18-15 Boise, Idaho 12/03/19

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You may also post comments on our website: https://www.puc.idaho.gov/

Click on the "Case Comment Form" link
Iam an Idaho Power Customer. I spent tens of
thousands of dollars to put Solar Panels on the roof of
My home. It would pay for itself after 15 plus years but
would be green energy. For Idaho Power to change the terms
now without knowing the actual costs we might be costing
them is criminal! I question the process that has brought
us to this point. At This settlement is unfair to current
and future solar users. This is a bad settlement agreement
please get out of this. Why didn't effected customers of Iddo Run
have the ability to give imput into this process before this
bad Settlement?
Thank you for the opportunity to comment.
Print Name Barbara Shapel Sign Name Barb Shapel
Address 2571 W. Willard St Phone Number 208-412-6147
City and State Meridian, ID zip Code 83642

Idaho Public Utilities Commission December 3, 2019
11331 W. Chinden Boulevard
Building 8, Suite 201-A
Boise, Idaho 83714

Re: Case No. IPC-E-18-15

Study of Costs, Benefits, and Compensation of Net Excess

Energy Supplied by Customer On-Site Generation

# Dear Commissioners:

We are both long-term shareholders of Idaho Power Co. stock and folks who, in 2019, invested \$34,000 (less 10,200 tax credit) in our residential solar photovoltaic system. We are an all-electric home, and our system now provides ~ 40% of our electric power usage. During some summer months, **during daytime summer peak demand** we will produce a small amount of excess power, and we expect to be credited by the net-metering agreement at the same rate we are charged (~\$0.086/kWh), including foreseeable future rate increases.

We point out that the residential solar investment is expensive to us, but provides the utility company with sustainable "clean energy" without a capital investment by Idaho Power Co. or need for more transmission facilities.

For this simple reason, we ask that the commission **reject the proposed settlement of a reduced rate** for our exported power.

Sincerely yours.

My Layle Wood

Spencer and Layle Wood

421 E. Crestline Dr.

Boise, Idaho 83702

cell: 208-860-9410

email: spen\_wood@hotmail.com



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We hope Idaho Power has Integrity
Print Name Merry 1 Bustian Sign Name Merrill & Ratre
Address [ 6977 Bustian Ave Phone Number 108-453-2175
City and State Oaldwell, To Zip Code 73607

December 3, 2019

Idaho Public Utilities Commission,

As committed voters, consumers, Idaho Power investors, and long-time residents, we have observed Idaho Power to have slim interest in alternate forms of energy production. While it is fortunate that hydroelectric production is a good option for Idaho, we have seen that threatened by a couple years of drought. We firmly believe individual citizens can contribute significantly to the generation of electricity for the Treasure Valley, saving costs for Idaho Power to generate it, and helping reduce climate change.

Years ago, IP wanted to charge a huge monthly fee to solar users. Now they want to stiff them. While they claim they are solar friendly and use solar to power their offices, this move to reduce compensation to solar producers indicates otherwise. On their website they proudly claim to have enough power to serve customers through 2028. LAUGHABLE! Given the influx of people, and that 8 years from now is short range planning at best, that statement alone motivated us to add solar. Compensation to citizens who, at their own expense, are willing to be energy producers and support a greener community should be done fairly, with deliberate, independent analysis.

We appreciate past efforts of the Utilities Commission to hold IP accountable and supporting the broader view when profits clash with responsibility to maintain this beautiful state of Idaho.

Lee and Judy Klosterman

elkofboise emsn. com



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I feel this whole process is designed to
make sure nobody ever installs solat power
on their house again. I am reminded of
Idaho Power asking for fair rates for the wing
Power instellations and key presto they got it
and no more wind power on everstanted in
Idaha?
At the very leas If Edals Power installs
by the hoar meters they should pay
charge the rate actual value of the power
for the hour it happens
Print Name Ilse Schreinersign Name Dese Scheiner
Address 3711 S. Summerset Way Phone Number 208-362-2416
City and State Boise, ID & Zip Code 83709



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Click on the "Case Comment Form" link
Idaho Power wants to have O Larbon by
1. Solar reduces their carbon at our exp
2. provides load smoothing at our expense
3. helps develop micro-grids at our expens
4. Idaho power as our battery is break ever costs for them. They use water in don
5. help us and Idaho power got to 0
carbon & by keeping incentives in th
right direction
Print Name Dirk Bodily Sign Name Dirk Bodily  Address 12836 W 6 gg Creek Phone Number 208 376-8653
Address 12836 W 6: 1990 Creek Phone Number 208 376-8653
City and State Boico Id Zip Code 83713



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The proposal as it stands is unethical
and will destroy the sclar industry in Idaho.
This will lose thousands of Jobs Existing
customers Absolutely need to be grand fathered
Print Name Travis Lanhan Sign Name Forskylo
Address 16420 N Chip Shot In 104 Phone Number (512) 241-9978
City and State Nampa ID Zip Code 83687



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I believe my investment in solar
panels benefits the community, the world and
Idaho power - I generate power in the summer when electricity is in high demand and expensive I take my credit back in the winter when electricity is in the winter when electri
when electricity is in high demand and expensive
I take my credit back in The winter when electricing
is not in high demand-This means I am
contributing to the economic stability of Idaho
Power - I also pay toward the grid each
Power. I also pay toward the grid each mouth. Please do not let Idaho
Power give me less credit than I
earn -
Print Name Patricia Blatter Sign Name Tyblatter
Address 3399 W Breneman Phone Number (208) 401-4141
City and State Boise ID Zip Code 83703



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You may also post comments on our website: https://www.puc.idaho.gov/ Click on the "Case Comment Form" link

We installed 54 Solar Panels just a few months ago, we were excited about the taxincentives and the credits use were able to accrue for unused power we generated which we would be able to draw on during winter months. The net metering which was Kilowatt forkilowatt is what influenced us to go solar. To change the original Net metering program on existing residental solar customers is unfair since we based our decision to go solar on ID Power's original terms + program, we were hoping our solar investment would be a good long term investment but to change the original terms on us would cast us thousands of dollars and that is a terrible thing to do to is as my wife is retiring in a few days and tam retired on fixed incomes I hope to lower will be ethical and fair to the existing solar cystemers and grand father us in to the original program we signed on to Thank you Print Name Philip Carson Sign Name Am Address 10 Burnett Phone Number 208 City and State BOISE \_\_\_\_ Zip Code \_ 83716



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I DON'T THINK IDAHO POWER SHOULD LESSEN THE IKW	H FOR
I KWH SOLOK SOLAR. THE PEOPLE HOW PUT IN POWER INO	
THE GRID ARE HELPING SUPPLY RENEWABLE POWER. CHANGING IT	WOULL
BE LIKE A NORMAL CUSTOMER GITTING A BLUE ADD SAYI	WG
I WILL ONLY GIVE YOU 80% . AND THAT IS NOT RIGHT.	WE
SHOULD BE GIVEN BACK WHAT WE PUT I'W.	
Print Name TRAVIS MANKE Sign Name Sign Name	
Address 338 E BLACK HAWK DR Phone Number 208 995 5625	
City and State Kung TA SZCZY 7in Code 82634	



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Click on the "Case Comment Form" link
He made a very large investment in
blar because it has incentivized and
encouraged by the payor company and
ancouraged by the power company and the Puc and it was the right thing to do
for our environment.
Now the decision to penalize everyone
smit their est to print their est bib teste for the right top a corner top est rept soft
for the right rooms in MRonle.
TO CONTROL OF THE CON
Print Name WENDY KURDY Sign Name Wordy Turdy
Address 3029 N. 24 10 Way Phone Number 208 336-4449
City and State BOISE, To Zip Code 83702



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Case Number IPC-E-18-15
I am requesting the IPUC to deny Idaho Power's
request at this time. I feel those who have solar power for
residence for longer than a year be grandfather with the
current system, Take you for your time.
Print Name Samuel C. Mc Evoy Sign Name Samuel C. MErry
Address 1439 W. Elm Place Phone Number 208-870-9034
City and State Meridian Idaho Zip Code 83642



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I am very opposed to the proposed rate structure, and find it unfair to those who have invested in solar. It also does a disserne to have generations by discoveraging future adoption of solar power.
structure, and find it unfair to those who
have invested in solar. It also does a dissurna
to the generations by discouraging future
adoption of solar power.
Print Name Ilana Rubel-Paschke Sign Name Al Mulul
Address 2750 E. Migratory Dr. Phone Number 208-385-7510
Address 2750 E. Migratory Dr. Phone Number 208-385-7510  City and State Boise ID zip Code 43706



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We recently invested in solar in Fall 2019.
It is unfortunate that the proposed
agreement to lower rates will now
make it difficult to see a veturn on our
investment in the foreseeable future.
While we agree that a separate user class
for solar users & is tain, we do not agree
with the proposed agreement terms and
urge the IPVC to riject the agreement and
work with Idaho Power to find a more
equitable solution that doesn't unfairly
penalize solar users.
Print Name Leah Kelsey Sign Name HAH KESB
Address 433 E. Thurman Mill St. Phone Number 208-514-9892
City and State Cardin City, ID Zip Code 83714



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Please keep the regulations and costs for solar and net
metering as beneficial as possible to the homeowner
We need to encourage the use of a renewable
energy resource. This is a large upfront cost of
the homeowner who has the design to invest in
Green energy resource.
Print Name Tara Thompson Sign Name Lan Hompson
Address 5271 N. Soccento DC Phone Number 208-420-9839
City and State Book, ID Zip Code \$37.04



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You may also post comments on our website: https://www.puc.idaho.gov/ Click on the "Case Comment Form" link 96 VC Sign Name Print Name **Phone Number** 

Zip Code \_

City and State

12/3/19



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I am for the Solar Industry as a whole. Understanding
Idaho Power is a for profit company, making solar go down
In value makes since for them. There needs to be a better
way to value Net Metering that is set to still being
beneficial to Idaho Power along with the Solar industry
If Solar goes down to .OH cents per kuch then there
Will not be a Solar Industry at all. Can We work
together to benefit renewable energy. To make it so it is
Stable and able to with stand in the long run.
Print Name Kate Kelley Sign Name More
Address 2918 N Woody & Phone Number
City and State Boise Id Zip Code 83703



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I Have sent a comment previously via
Email but I am disappointed that the Facility
is Too Small. It is difficult to hear standing
is Too Small. It is difficult to hear standing in the Hull and standing for the duration is
too Much! I understand that a large crowd
was expected and wish some thought had
gone into planning for this important hearing,
Judio extending to outer avens would have
helped. Thanks
J The state of the
Print Name Patrick Kurdy Sign Name Jatrich Krudy
Print Name Patrick Kurdy Sign Name Swith Krung  Address 3029 N. 24th Phone Number 208-836 4447
City and State 36156 Zip Code 83702
zip code zip code



12/3/19

IPC-E-18-15 Boise, Idaho 12/03/19

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Please Review the Following information
in making your Accisisions concerning the Future
of solar in Idaho ~ Specifically Net-motering fee
~ Understand the Results of the Methy Wercury study
currenty being conducted in the Hells Carryon Complex by USG
- Review the current status of Salmon Runs in the Boise,
Payette, Weisar, Outher, Sorbridge Rivers.
- Why is Idaho Power hiring labolying Public Relations
groups (GS Strategies ) and condocting research on cornent
Net matering Cystomers and siving this information to Jolaho
Power PR ellors
Print Name Sign Name
Address <u>PO Boy 2002</u> Phone Number <u>208 634-1893</u>
City and State McCall The Zip Code 93134



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when we installed solar panels this past
August (2019) our intention was two- Fold: 1. Reduce
our carbon footprint 2. Reduce our future energy
costs. Idaho Power should be encouraging home
owners and businesses to contribute to our
state's grid in order to reduce greenhouse gases
and pollution, and meet their supposed good
of "going green". IF puc allows Idaho Power
to go fow and with this cut, the incentive to
go solar will greatly be diminished. Worse
and I am serious, worse case at least grand Father in current Solar customers.
in current Solar customers.
Print Name Margaret Gallagher Sign Name Margaret Gallagher
Address 2716 W. Madison, Phone Number 678-468-4674
City and State Boise, IS. Zip Code 83702



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Click on the "Case Comment Form" link *○CK*Phone Number Zip Code



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It is only FAIR to pay solar generated
power MAKERS at the SAME RATE
You charge power consumers!
This should be an accumulitive
total (not hour by hour) with "credits"
rolling over for a full XEAR
from the generated date.
ie: Power generated 1/19 would be
ie: Power generated I/1/19 would be "good" until 1/1/20 ("use by" dote)
Print Name Fown Bell Sign Name Faron Lobell
Address 919 N. Pasture Attone Number 208 922 2109
City and State Kuna FD Zip Code 83634



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Trecouty invested \$15000 in a solar system
under the can ders tend of recoverying a 1 for 1
not me terms agreement. This is a the agreement
and change is a breach of contract
Print Name Robortyhite Sign Name Follow
Address 430 E Weter Packst Phone Number 708 2506430
City and State CARDEN CILL Zip Code 83714



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click of the case comment form link
Like a utility, homeowners with grid connected solar make their
investment in power generation based upon the regulations in place.
By changing such regulations, after customers have made investments destroys
financial returns.
Idaho Power has failed to account for the positive externalities
of solar - The reducing transmission loss, localizing generation
improving air quality. Dirty power generation disproportionately impacts
poor and underserved communities. So why does Idaho power want disincentive
distributed generation when it benefits the public?
As an electrical engineer, I can tell you that excess generation added
to the grid will go the lowest impedance - likely the house next door.
Finally, Idaho Power does not charge separate rates for remote cabins
or other high costs consumers - Why Not?
Print Name JAKE MACARTHUR Sign Name Julia
Address 1209 N 24th St Phone Number 206 409-8104
City and State BOISE, ID Zip Code 8370Z



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The number of people that took time out
of their busy lives showing up this evening
Should tell you something about the
"Public interest" related to the way Idaho
Power is dealing with distributed generation
What is currently happening and has
happend is obviously flawed. The PUC
needs to seriously reconsider this entire
process. No current of or future customers
Should be transitioned to a new rate
model until a fair compensation structure
that actually values renewable generation is
developed.
Print Name Alex McKinley Sign Name ale The
Address 1407 F. Jefferson Phone Number 208 901 5167
City and State Boise ID Zip Code 8371)



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I'm currently in process of installing 53 panels on top of in	ng
root. The bulset for a 10-15 year paybuck. I canno	6
attend to luck out of the process at this time. Please	
grand father as in.	
Print Name Scott Pentrum Sign Name	
Address 13037 W. Wing Meder Phone Number 208-901-41/62	
City and State Base I ID Zip Code 83714	



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It is not night for Idaho lower to seneg on their obligation
to pay those Idaho Power rustomers who invested in solar power
systems the rate originally agreed upon under the net
metering structure in offers on the time of installation and on line
Solar power generation. To propose reducing the rate paid for solar power
paded to the grid by 50% is grossly wrong and totally unfair to
three who many the financial commitment to the install solar famels on
their homes because I was the right thing to do to make the transition
to slean, sarlow free power at a time subser our planet is faced
with the severely adverse offices of climate change on our south's which the human racelleasing begins upon. ecosystems I I we are wer going to reach carbon neutrality and save
ecosystems I If we are wer going to reach carbon neutrality and save
our planet from the devoistating effects of climate change, the PUC needs to
reject Idaho Power's not matering proposal, and instead promote solar power at
every level for a sustainable energy future. To do otherwise is despicable!!  Print Name STEVE JAKUBOWICS Sign Name Town Jakubowice
Address 908 N. 21 STREET Phone Number (208) 863-1236
City and State $3015E$ $0$ Zip Code $83702$
I ask the PUC to reject Idobo Pawer's proposal because it is the wrong thing to do at the



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Click on the "Case Comment Form" link Sign Name Zip Code City and State



#### COMMENT FORM

Please use the space below to file a comment in this case. Add extra sheets as needed. You may either hand this sheet to a commission staff member or mail it to: IPUC, PO Box 83720, Boise, ID 83720-0074

You may also post comments on our website: https://www.puc.idaho.gov/ Click on the "Case Comment Form" link Please do not change the vate to new 3 existing individual on-site generators (via solar panels). In not let those who have invested in clean remember their homes 3 small businesses be penalized higher energy bills. Idaho needs all the solar generated energy it can get. Climate Change has been crosted & Continued through our Nation's Continued dependence on tossil hels. By providing less than full retail rate to those With solar ponels in Idano Wash Salf Solland White Solar Commenced IPUC Will be MARAGERY Making Solar energy less attractive to individuals. As a result, our nation will have a slower transition to venewable energy. Print Name Ham Thompson Sign Name Halam Hompson Address 3819 N. Kay St. Phone Number (541)-224 -3984

City and State Garden City ID Zip Code 83714



12/3/19

IPC-E-18-15 Boise, Idaho 12/03/19

## **COMMENT FORM**

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It appears to me that you think
only well-off persons have solar panels.
I survive on my teachers pension, \$24,000
I chose to finance solar panels paying
\$179 mo for 20 years, because I feel
its important to do my part for
climate change /global warning.
You are concerned that people with no
solar power will pay too much. It is
a choice most people can make, and I
believe you have special plans for
low income folks.
Print Name LORI Poublon- Ramirez Sign Name Oce P James
Address 97 E Peach Springs Ct Phone Number 408-206-2940
City and State Meridian ID Zip Code 83646



## **COMMENT FORM**

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Speculate THE KWH CHARGE BY DP IN EXPORTING POWER	-
IN ZEGROMAI GRAD IS STENIFICANTLY MORES THANK. THE LOCAL	
DAHO RATE.	
Print Name R.A. ROBBINS Sign Name	
Address 16355 Suction 55 Phone Number 268 917 798 +	
City and State Fool D Zip Code 83705	



## **COMMENT FORM**

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1) Don't Advertise and count meeting your green initiatives off the banks of
your constituents/members it you are not going to recognize the investment of
building of buying solar peals.
2) Gods for Idaho Poser Show that you wish to provide 100 % clean
energy by 2045. If that is truly you got you shouldn't
deirectivise the public from helping create formula clear power.
3). Cost for on home So low project was one \$ 20,000. Although this
investment was never made to try to make many, our goal was not to have
it be a complete loss and that eventually our investment would be
offset overtime.
Print Name ANNIE KNIEROM Sign Name
Address 538 W Mesa Grande Lane Phone Number 402-210-5725
City and State 30.54 10 83702 Zip Code 83702



## **COMMENT FORM**

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You may also post comments on our website: https://www.puc.idaho.gov/

	https://www.puc.idaho.gov/
	Click on the "Case Comment Form" link
	We DiD the Right thing, By going Solar
	please Do. The Right thing by grandfaller!
	US in The move we Save the more
	We Can gave Back, Witch in
	Toins is Better for Boise.
	The PUC Promised That discriminatory Pates
	would not be the ofcome. It changes are
eyativ	implemented that customers Solar investments. It would be discriminton. Please Be True
	to your word.
	Print Name Noel 3 Lisa Grayza ez Sign Name Alm Jan
	Address 26345 Surrey Road Phone Number 266 499-1203
	City and State Boise ID Zip Code 83709



#### COMMENT FORM

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You may also post comments on our website: https://www.puc.idaho.gov/

Click on the "Case Comment Form" link MV SVSTem greatly Tower wil hene - 111 Concl investment primar industrious. to create daho towers immora the Commission 10 re toogendoorn Sign Name\_ N. Leather Way Phone Number (616 \_ Zip Code  $\_83$ City and State <u>Soise</u>



#### COMMENT FORM

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I made comments on line this afternoon but wanted to
emphasize the definition of "apisting solar producers.
I recently (Det 2019) signed a contract with Auric Energy
to mitalla solar system. While I have not signed a
not metering agreement with I dale Power as my system
is not "live" yet, of will soon & doing that, I believe
That these in my situation should be considered "existing"
solar producers as there is no way I can get out if my
constract with Auric or with the financing contract of have
signed. Sevenings the soll
Print Name Bashara Fordeshase Sign Name Brisan & Jarduhuce
Address 2157 & Walling Dr Phone Number 208-433-9548
City and State Busi ID Zip Code 63717



## **COMMENT FORM**

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This spring, my husband and I invested in a nortog
Solar system. The system was expensive, costing \$17,000, To
be able to afterd it we took out a \$15,000 loan from the state
of Ideho, in add from to paging the remainder out of pocket.
This is a very hefty amount of debt that we calculated would seeling to
be justified based on the projected payback period. In change
the net meterthy reinburse ment, ID. Power undernines the our
ability to afford this system. We feel as if the my is being pulled
out from under us. This change would be hugely costly to us
and takes value from our investment, we are giving power to the
company, which helps expand their capacity, and they propose to
profit from it without compensating is. This is goodly unfair.  In addition, we feel the company is actively seeking to discourage the
In addition, we feel the company is actively seeking to discourage the
climate change. Any should the IPUC should demand that 10 Power increases
climate diange, they metrice sugar across that its rower incresses
Print Name Heather Steele Sign Name Hat 1. Ital the feasibility of
Address 520 E Jeffers on St. Phone Number 208-794-6474 generale their own
power, in the
City and State Boise 1D Zip Code 83712 interest of the
greater community



## **COMMENT FORM**

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I cannot fully express just how opposed I am to Idaho
Power's proposed charges to vate reimbasement for solor.
We just invested \$17,000 in solar this summer, with the
understanding that we would very the investment in electricity
savings over time. I daho Power's proposal means we would never
by my prouding ID power free electricity  pockets, This is grossly unfair. If I date power is concerned
about solar, they should invest insolar, not fight it.
Thanks for considering nu comments
Print Name MATTHEW KOHN Sign Name Deliver Kohn
Address 520 E JEFFERSON 5T Phone Number 208-208-3568
City and State Boise ID Zip Code 83712



## COMMENT FORM

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You may either hand this sheet to a commission staff member or mail it to:

IPUC, PO Box 83720, Boise, ID 83720-0074

Jam an Idaho Power customer and have an existing solar
power system of a net meter. My system over produces my
USE lis such, Idaho Power permanently benefite from
my free electricity though my over production. at the
very least, the one for one trade on power should
ust be altered in any way for existing users.
As I indested it, with the slow reduction in value
of my production proposed I could be gaying Idaho
Power to receive my free power. This proposal is
ust reasonable, just, or fair
On the boal stroke all men when should encourage
mino generation and incentives to diseisify our power
system. It only makes soute.
Print Name Dan Skill Skill Sign Name
Address 5030 W Redbridge Ct. Phone Number 208-606-8255
City and State Boiso TD 83703 Zip Code 83703



## COMMENT FORM

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Idaho PUC Should perform cost/benefit Study
by independent parties, to calculate any rate changes
necessary to martan their transmission system from
affects of so onsite solar generation. The recent rate
Study was arbitrary and made behind chosed doors,
With no basis in acceptant actualities or reality.
For contrast the following state PUC'S have performed
this study, and have concluded that 1:1 net metaring
outweigh the costs; Vermont Public Service Department,
Nevada PUC Mississippi Public Services Commission,
Minesota PUC, Main PUC. The Ideho PUC shoul
at a minimum Study the problem, prior to Setteling  an agreement. P.S. I attended the hearing but had to leave  an agreement. But out testify. Thanks.
Print Name Thomas Ellestad Sign Name Thomas Ellestad
Address 3500 Sycamore Dr. Phone Number 208-559 - 1885
City and State Boise IO Zip Code 83703



#### COMMENT FORM

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It is wrong for ID Power to penalize those who
decided to do something to improve the environment +
make an investment in solar, Il my porchased my system
outright and have a grid-fre system so am
effectively part of ID Powers generation system. But
ID Power did not have to pay for my system now do
they pay to maintain it. Therefore, their capabilities
for power generation increased w/o any Capital
investment on their part. From a fenancial
standpoint, they are discovering those in the
future who wish to invest in solar by lengthing the
payback period. The way ID Power bill's costomers
who have solar should not be changed.
Print Name Mike Van Kirk Sign Name
Address 966 Hialeah Phone Number 208 371 1411
City and State Lagle, FD Zip Code83616



#### COMMENT FORM

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You may also post comments on our website: https://www.puc.idaho.gov/

Click on the "Case Comment Form" link
A fair and just solution to Ideho Power's
approach to solar not-nevery must
Include the following.
- A complete third-party study of the
costs and benefits of rootopsolar
- Carand fathening Golow Cowners as of these
30 days AFTER the final settlement of the Case
- Transparent Communication to ALL Idaho
Power austoniers
Print Name Sign Name Sign Name
Address 366 E. Old Saylorson Phone Number 205-577-776
City and State Bolse Zip Code 83706



#### COMMENT FORM

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Ideha Povar's plan to change rates on solar customers is
discriminatory and un-fair. They are trains to profit from
my invostment - partly based on their encouragement-
and essentially devalue my solar system. The process
of this request from I.P. to the IPUC has been
Shrouded with secrety, and purely based aft
bissed opinion, ret factual data from a neutral
party. How would I.P. feel it we, as solar asterners,
say we wanted them to pay us more for our
energy? Probably net allow it due to the agrapment
already in place. I. P should not be able to
Change an agreement just to benefit their bittem
line.
Print Name Sean Manion Sign Name
Address 7750 S Hidden Valley Phone Number 208-906-4161
City and State Boise ID Zin Code 83709



## **COMMENT FORM**

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I recently had Solar Panels installed at my recidence. The system was
designed to cover almost 100% of my usage at approximately 24Kw
monthly. I've also installed new appliances i.e. High Efficiency
washer, dryer, Hot Water heater, and HUAC HEAT Pump. all
to support a greener toot print. Along with Idaho Buser's
plan to be green by 2045. For I paid for a transformer an approximate
upgrade to get permit me to be able to convect my solar a cost
of \$2500,000 Thus upgrading the infrastructure to support
the Solar connection to Idaho Power's Gride I turned on
the system once the "NET METER" was installed. HITHE BOTTOM LINE
I would like to see those that have soker turned on already
to be Grand fathered to the current I kny to KW down Rat
Print Name Dalles J. Swyder Sign Name Dalles .
Address 244 old Oregon Trail Road Phone Number 248-594-2956
City and State Mountain Home Idaho Zip Code 83647

My name is Terry Maret and a resident at 4083 Argonaut in Ada County. I have been an Idaho Power customer for over 30 years.

I have submitted written comments regarding the Idaho Power settlement proposal and would like to take this opportunity to emphasize a few important highlights of that letter.

We installed a roof-top 9 kW solar system back in the spring of 2017. This was a significant long-term (25yr) capital investment for our family based on a design of daily net metering. As designed, it will take about 12 years before we realize any return on our investment. The proposed hourly rate metering and 50% reduction in net metering credit will most certainly extend the number of years until we see a return, if any, on our investment.

Idaho Power did not help fund any of our solar installation so why should they be allowed to change the rules to profit off our investment? An expected increase in home value was also a major factor in our solar investment decision. In order to protect these investments, systems should be grandfathered along with the meter number attached to the residence so when selling the home net metering benefits will be realized by new home owners.

Where is the comprehensive study of cost and benefits of on-site generation that Idaho Power was ordered to produce? Until such study has been completed and evaluated by all affected parties, the settlement proposal is arbitrary and capricious.

Idaho Power's proposal is unfairly singling out solar customers which only make up less than 1% of their 560,000 total customers. Idaho Power contends that because net-metering solar customers reduce the number of kilowatt-hours they purchase from the utility they avoid paying their fair share of fixed costs. Net-metering solar customers provide power to their neighbors and can help reduce the need for expensive transmission and distribution infrastructure necessary to move electricity from power plants that may be hundreds of miles away. This is especially true during summer when peak power demand is highest, which coincides with peak output from solar systems that can supplement our local power needs.

Idaho Power has a goal of 100% clean energy by 2045...so why are they attempting to penalize those who are doing their fair share to reach such a goal? For your information, solar now employs more people in the U.S. electric power sector than oil, coal and gas combined. Idaho needs to pass legislation to offer more incentives to encourage solar systems that will provide new job opportunities. The settlement proposals will jeopardize this growing industry in Idaho and cast a shadow of uncertainty in the marketplace. What will happen to warranty work for existing solar systems if solar companies leave the Treasure Valley because of lack of jobs.

Every Idaho family, school and business should have the right to go solar on their own property if they so choose, and they deserve fair net metering compensation and predictability from their utility for making that investment. This settlement clearly indicates that Idaho power is attempting to discourage rooftop solar and monopolize profits. Traditional ways of doing business will certainly not address climate change impacts. Institutions and utilities should be encouraging the development of alternative energy sources and not penalizing those who feel we can do better to sustain our planet and way of life.

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I have been a net meeting user for 21/2 years. We entered into
the program to level our utility bill as we are now retired.
I feel its unjust and not resonable that the investment
I have made bee undermined. I had planned my in ordiner
would take Oyears to break even. Now the proposed new
mate schedule would at least double the time it would
take to recover my \$15K investment.
I feel and change in the rate structure after we entered
Net-metering would be a breach in good faith by I daho Power,
This sett ment appears to only benifit Idaho Power and puts
a large burden of current wet meeting customers.
Print Name James Jacobsen Sign Name James Jacobsen
Address 12361 W Bowmont St Phone Number 208-376-6168
City and State Boise 83713 Zip Code 83713



## **COMMENT FORM**

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You may also post comments on our website: https://www.puc.idaho.gov/

, chek on the case comment form link
I am a single, self-employed provider for
my family. I invested in my solar panels
using the information & agreements in
effect in 2017. I URGE the Commission
effect in 2017. I URGE the Commission to grandfather existing customers AND
arge the Commission to do everifthing necessary
to make Solar energy affordable to future
customers. Please help our children have
an opportunity to clear up the environmenta
mess wer created & they are inheriting
Print Name GLENDA BELL Sign Name
Address 2000 S. Long mont Phone Number 208 250 7670
City and State Borse Ad Zip Code 83706





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I've been the Kicking around 'going Solar' for several years
A meeting and anoutcome like this new "agreement" & Precisela
why thereit invested in solar This new policy will throw
ice water on any Viable Solar Market in Idaho.
well played Idaho Power.
Print Name Kurt Ziegle Sign Name
Address 405 N 22 1d St Phone Number 209. 859. 62.95
City and State Boise, 10 zip Code 93702



12/3/19

IPC-E-18-15 Boise, Idaho 12/03/19

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My husband and I spent a considerable sums to
get Solar Energy installed on our roof. We did this
because we are hoping to vely less on power generate
by dams, since dams have harmed salmon population
in the Northwest. We do not want Ideho Power to
limit the future solar customers from the incentives
to generate power. all humans need to reduce their
carbon footprint on the earth, and solar power is less
harmful to the planet and her numerous species.
Idesho Power is trying to make the future of solar
power not popitable to individual customers.
Chair Walser
Print Name Ashley Davis Sign Name Ashley Davis
Address 1606 N 20 Phone Number 208 866 3667
City and State Boise ID zip Code 83702



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With The proposed agroculant, we feel we will be force to move our operations out of Idella
be force to move our operations out of Jobsha
Especially if The Rocky Mountain Power regust is
also approved. We roughly here Installed about 500
Systems in Idaho over The past 6 years. Place
reject This proposal + Look for other options verglator
Herter use.
Big Dog Revousthe Energy
Print Name Bill Downelly Sign Name Zull
Address 670 Pleasant Ridge Phone Number 708 747 3352
City and State Pocalello, ID Zip Code 83707



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By Changing the Pake Structure
ID. Will devalue homes. I pay mon TAXES + INSUFANCE
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Solar Owners for the fower we produce I.P.
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we sell our home the solar will Not be a
selling Dopat. Who wan't to buy a home with a
Liability or the Rooff we will still pay higher
Insugano costs los lands that will be basicle
Obsolite: lease Stop this proposal Compleatly/
Print Name Sheppy & LANG JUNNIN Sign Name Slug & Juny
Address 5132 S. Coural Hulfs Way Phone Number 208-713-1948
City and State book ID Zip Code 83716



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Please grantfather in current solor customers!
It's unethical to change the rules after we've made
our investments. May payback was 15 years. Now
with the proposed rates perforce won't Lipper in
My lefetime. The impact on Ilaho Power's
profite evould be minimal with grandfathering
us in Other states grandfather current customers.
Do the right their!!
Print Name Patricia A, 1)7011 C Sign Name Getting a Mound
Address 7351 W. Old Corner Phone Number 208 50070d16
City and State Boyse TD Zip Code \$3,709

# Jeff Fereday and Kay Hummel 420 E. Crestline Drive Boise, ID 83702

jefereday@gmail.com kayhum@cableone.net

December 2, 2019

Idaho Public Utilities Commission 11331 W. Chinden Boulevard Building 8, Suite 201-A Boise, Idaho 83714

Re: Case No. IPC-E-18-15

Study of Costs, Benefits, and Compensation of Net Excess Energy

Supplied by Customer On-Site Generation

# Dear Commissioners:

We are residential customers of Idaho Power Company ("IPCo" or the "Company). Beginning in 2016, with additional panels and a new inverter in 2018, we have invested over \$28,000 in a solar photovoltaic system at our Boise home. The Company's proposed changes to its net metering program in this proceeding would substantially undercut our expected return on this investment and, we believe, constitute an unjustified windfall to the Company and its shareholders. But beyond that, and more important as a public policy matter, is the fact that the Company's proposal would have a severe chilling effect on the development in Idaho of distributed solar and other customer-owned distributed generation ("DG") resources.

We respectfully request that the Commission not adopt or approve the October 11, 2019 Settlement Agreement entered by IPCo and others (the "Settlement"), not impose the Settlement's proposed new rate structure applicable to DG resources, and hold the matter in abeyance pending further study. Rooftop solar in Idaho is in its infancy, and this proposal by Idaho Power Company likely will throttle it. Rooftop solar today has been adopted by some 5,000 of the

<sup>&</sup>lt;sup>1</sup>The total cost of the system, which was paid to AltEnergy, Inc. as supplier and installer, was \$28,707.00. With the federal tax credit and a state tax deduction, the cost to us (after a five-year amortization) will be approximately \$18,000. In evaluating the costs of IPCo's proposal, it would appear that the higher number would be appropriate because that is what went into Idaho's economy. In evaluating the cost to our investment posture, the lower number, adjusted for the timing of tax savings, would be appropriate.

Company's customers—about 0.01% of its customer base—and it accounts for a miniscule portion of the Company's installed capacity. The effect, financial or otherwise, of private rooftop solar on the other 99.99 percent of ratepayers cannot be significant. On the other hand, distributed solar is a step in the right direction for the environment and, we submit, for IPCo's customer base generally; it certainly carries part of the load toward the Company's "100% clean energy" aspiration. The Commission should take no steps to thwart the development of customersponsored rooftop solar in Idaho.

DG's effect on other ratepayers is typically based on the argument that the revenues they pay for the electricity they still purchase from the utility may not be covering an adequate share of fixed costs, such as transmission—in other words, "that net metering customers are not purchasing sufficient kWh to cover fixed costs," and that "an additional measure is needed to prevent a cost shift from occurring." Presumably, this is IPCo's argument, even though the Company has not yet made a case for this, much less a convincing one. In any event, studies by the Brookings Institution and others have concluded that such impacts become meaningful only when the penetration of rooftop solar approaches an installed capacity of around ten percent. In Idaho, the current number reportedly is no more than about 3.5 percent. As stated in an exhaustive analysis of this issue by the economists at Lawrence Berkeley Lab, "for the overwhelming majority of utilities, current PV penetration levels are far too low to result in any discernible effect on retail electricity prices, even under the most pessimistic assumptions about the value of solar and generous assumptions about compensation provided to solar customers (e.g., full NEM [net metering] with volumetric rates)."<sup>3</sup>

Furthermore, even if DG in the Company's service area were causing increased costs to other ratepayers, any rate structure change to address this should compensate these ratepayers for these exact costs, not the Company's shareholders. There is no indication that the structure proposed here, which plainly would penalize the solar power generators to the point of being confiscatory of their investments, would be tailored to compensate for such effects and would not simply enrich shareholders.

We contend that neither the Company nor the Commission has enough information yet to make such a momentous decision. IPCo has not completed the

<sup>&</sup>lt;sup>2</sup>https://www.infrastructureusa.org/wp-content/uploads/2014/12/ftg2014finalreport-141113033126-conversion-gate01-1.pdf

<sup>&</sup>lt;sup>3</sup>http://eta-publications.lbl.gov/sites/default/files/lbnl-1007060.pdf

study the Commission ordered, and has not released any analysis it may have done for public review and comment. In sum, there is no need to rush into this decision, especially absent a thorough cost-benefit study such as the one the Company is obligated to produce. We believe that any analysis the Company or the Commission ultimately engages in on this subject should be available for review and should cover all relevant issues, such as those set forth below.

To summarize our central requests, we urge the Commission to:

- 1) reject the proposed Settlement and hold this matter in abeyance;
- 2) order the Company to complete and make available to the public the study specified in the Commission's June 1, 2018 Order 34604, Case No. IPC-E-17-13, which study is to evaluate the costs and benefits, both to the Company and to other customers, of net metering relative to DG, and particularly residential on-site generation;
- 3) ensure that the study includes, in addition to the above, at least the following analyses:
  - a. the value of DG over the next 25 years, to the Company and its ratepayers, in helping to meet Company's stated goal of achieving 100% "clean energy" by 2045;<sup>4</sup>
  - b. the current value of the investment in generating plant represented by all the DG involved in the Company's net metering plan, and the Company's cost of replicating this amount of installed capacity with solar or other energy sources;
  - c. the actual transmission and other fixed costs incurred by the Company or ratepayers arising from DG-produced electricity;

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<sup>&</sup>lt;sup>4</sup>The Agreement expressly avoids assigning any "environmental benefit" to rooftop solar. This is unacceptable, particularly where the Company itself claims to be putting resources into clean energy, presumably to gain their environmental benefits. Existing DG resources should not be hamstrung, and future DG resources effectively blocked, by this proposed new rate schedule while the Company supposedly figures out how to bring on line cost-effective clean energy resources. These clean energy resources are here today, delivering an environmental benefit that the Company, we contend, should be compelled to value in this process.

- d. the relative firmness, and the relative interruptibility, of DG in the Company's system as compared to the energy from generation sources from which IPCo might be able to purchase on the retail or wholesale markets;
- e. the higher costs, if any, borne by non-DG IPCo customers as a result of having DG systems producing power for the Company's grid under the current, one-for-one net metering arrangement;
- f. the benefit to the Company arising from those DG owners who annually produce and provide to IPCo more electrical power than they consume—thus producing excess electrical energy that cannot be used by the producer and for which, under the present system, there will be no credit or compensation from IPCo—including an explanation of whether this benefit will accrue to other ratepayers or to Company shareholders, and in what amounts;
- g. the revenues that will accrue to the Company from reducing the net metering credit by some fifty percent, including an explanation of whether these revenues will accrue to the benefit other ratepayers or to Company shareholders, and in what amounts;
- h. an explication of the reasons for, and implications of, calculating the net metering credit on an hourly basis rather than a monthly basis;<sup>5</sup>
- losses to investment-backed expectations accruing to existing DG owners who currently provide net metered electricity to IPCo should their net meter credits be reduced to approximately 50% of what they now are;

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<sup>&</sup>lt;sup>5</sup>The Agreement calls for "net hourly billing" as follows: "At the end of each hour, consumption and exports within the hour will be netted and net hourly exports will be compensated at the Export Credit Rate," which is proposed to be calculated by a method involving such elements as the avoided energy, capacity and transmission and distribution costs; avoided line losses. The Export Credit Rate does not factor in environmental benefits or integration costs. The Agreement also states that "Schedule 6 and Schedule 8 customers will be compensated for net hourly exported energy at the Blended Base Energy Rate for their respective customer classes." The Blended Base Energy Rate is described as "the total revenue to be collected through the base energy charges for each respective class divided by the total forecasted annual energy for each respective class." These calculations are difficult to parse, and we urge the Commission to insist that they be made clear with specific examples and formulae. And above all, we need to know how these rates and the hourly billing schedule will affect the economics of rooftop solar. IPCo should be required to answer this question fully and fairly.

- j. the economic impact, including the loss of commerce and jobs in the Company's service area, of a diminished solar equipment sales and installation industry that will result should the Company be permitted to reduce net metering credits by some fifty percent; and
- k. the economic impact on home values if the net-metering credit now in place, and therefore the current value of a rooftop solar system, cannot be passed on to a purchaser of the home.

The public, including IPCo's ratepayers, will benefit from any meaningful effort to reduce carbon emissions and speed the transition to clean energy. The effort to make this transition is in the public interest, which is another reason the Commission should not adopt the Settlement and, before making a decision, insist on a full display of all costs and all benefits of net metering and DG energy production (including, without limitation, each of the above items). Uncertainties should be resolved in favor of encouraging development of solar and other carbon-free energy sources. The current proposal, particularly the idea that IPCo would begin the process of substantially devaluing credits, is going in the opposite direction.

While our home's full system has been functioning for just over a year, it appears we will be generating and sending into the grid slightly more electricity than our annual consumption. We designed it to produce enough to cover all of our electrical demand, but recent upgrades to our air conditioning system and other efficiency measures have contributed to this situation. In any event, it stands to reason that at least some residential solar systems that are designed to meet all of the home's annual electrical demand in fact will, like ours, produce more than 100% every year, thus generating credits we never actually use.

We are not asking the Commission to compensate rooftop system owners for this unusable, extra energy credit (even though the Company receives this energy for free, with little or no transmission cost<sup>6</sup> and sells it at retail rates); their decision to aim for a "100% system" was their choice, taking a chance that they would overshoot somewhat. But we are asking that you address this situation and devise a way to calculate the revenue IPCo is earning from this overage represented by unusable credits. Such a benefit should be factored into the overall analysis of the

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<sup>&</sup>lt;sup>6</sup>It is our understanding that electricity pushed to the grid from a home's photovoltaic system is used at the nearest location needing supply—that is, the neighboring homes.

impact of rooftop solar on the Company and its customers, and its financial benefit should accrue to other customers.

The Company's approach dodges other important questions, such as the actual fixed costs (if any) accruing to the Company or other customers involved in receiving otherwise free electrical supply from private solar systems, the revenues the Company receives from selling excess power from these systems, and the role these systems play in reducing both generating and fixed costs associated with meeting peak summer demand. Idaho Power's answer to whatever problem it perceives here is to ask this Commission to impose conditions that appear to be a windfall to IPCo and its shareholders while delivering a crushing blow to future development of distributed energy sources. There is no fairness or public interest in this approach. Before entering any order in this matter, the Commission should ensure there are answers to such questions.

IPCo began this proceeding by asking the Commission to establish a separate rate class for net-metered customers, ostensibly to address the question of unfair cross-subsidy. The Commission obliged, and now we see what the Company wants to do with this customer class, which is to reduce its relevance essentially to extinction—to make the installation of rooftop solar so outlandishly expensive that few, if any, IPCo customers will opt for it in the future. Such a policy is not in the public interest or the interests of other Idaho Power customers. Nor, of course, is it consistent with the Company's stated goal to become a 100% "clean energy" enterprise in the next twenty-five years.

We recognize that the Company likely sees this as a simple rate-making matter, in which a utility is seeking to protect the rate base on which it earns a return; private rooftop solar systems are not in its rate base. However, we ask the Commission to consider the impact that adopting the Company's position will have on the continued development of solar energy in our state. Here we have customers making substantial investments that will carry nowhere near the rate of return on investment the Company enjoys as a matter of law and IPUC policy. We believe most of these consumers made these investments in significant part because they see them as a small but meaningful step in what should, and we hope will, become a nationwide effort to transition from carbon emitting energy sources. We ask that the Commission initiate a process to classify DG in a way that does not discourage solar power development. It may be that this will entail a new way of structuring the relationship between the utility and its customers, or a new way of evaluating a utility's rate base, or its rate of return. But surely there is a way to allow the utility

to remain viable while still encouraging—or at least not undermining—the emerging energy sector consisting of voluntary, customer-financed rooftop solar.

We ask the Commission to deny the Settlement and direct IPCo to complete a rigorous and transparent analysis, which includes input from all stakeholders, to address the issue of what the Company should pay for excess power from rooftop solar, and how independently-financed solar can be encouraged to be a part of the Company's energy production portfolio.

Respectfully submitted,

Jeff Fereday Kay Hummel

Kay Hummel

Governor Brad Little cc: