

-
-
-

18-09008

Public Utilities Commission of Nevada
Electronic Filing

Submitted: 7/15/2020 1:46:46 PM

Reference: 6ee9ea4f-5a8a-493f-b4ed-da5473b73cc6

Reference:

Filed For: NPC SPPC

In accordance with NRS Chapter 719,
this filing has been electronically signed and filed
by: /s LoriPetersen

By electronically filing the document(s),
the filer attests to the authenticity of the electronic signature(s) contained therein.

This filing has been electronically filed and deemed to be signed by an authorized
agent or
representative of the signer(s) and
NPC SPPC

1 After assets (i.e. rooftop solar in this POC) are installed according to regulations, the blockchain-
2 enabled smart meters will relay the daily generated kilowatt hours (kWh) directly to the blockchain.
3 PECs can then be offered, matched with utility need and sold. When sold, the transfer of the
4 ownership of the PECs will also be recorded on the blockchain. From the original owner, the PECs
5 would be transferred to the utility, which would then retire the PECs towards its Renewable Portfolio
6 Energy Standard requirements.

7 To date, the Submitters have developed a high-level project plan. Next steps include the
8 following critical measures:

- 9 ● Complete technical engineering requirements in concurrence with the development of
10 essential integration software for implementation on smart meter hardware
- 11 ● Develop user interfaces for asset registry, the recording of PECs on the blockchain, and a
12 cybersecurity review to ensure that all private data is properly protected
- 13 ● Identify four to five volunteer participating households. Such households will have existing
14 rooftop solar panels with a generation meter, allowing installation to be as straightforward
15 as possible
- 16 ● Complete development of the integration of a blockchain enabled smart meter to effectively
17 communicate to the blockchain using the security and encryption required
- 18 ● Integrating the blockchain client that qualifies information to be recorded on the blockchain
19 in a manner that will not interfere with existing utility processes
- 20 ● Test and validate data on the blockchain for accuracy
- 21 ● Obtain necessary approvals and/or concurrence of project

22 By integrating minimal verification software, a “blockchain client,” into existing smart meter
23 infrastructure, we will be able to collect, validate, encrypt and communicate data to a public
24 blockchain.

25
26
27
28

CERTIFICATE OF SERVICE

I hereby certify that I have served the foregoing filing of **NEVADA POWER COMPANY D/B/A NV ENERGY AND SIERRA PACIFIC POWER COMPANY D/B/A/ NV ENERGY** in Docket No. 18-09008 upon the persons listed below by electronic mail:

Sam Crano
Public Utilities Comm. of Nevada
1150 E. William Street
Carson City, NV 89701-3109
scrano@puc.nv.gov

Staff Counsel Division
Public Utilities Comm. of Nevada
9075 West Diablo, Suite 250
Las Vegas, NV 89148
pucn.sc@puc.nv.gov

Attorney General's Office
Bureau of Consumer Protection
100 N. Carson St.
Carson City, NV 89701
bcpserv@ag.nv.gov

Bureau of Consumer Protection
8945 W. Russell Road, Suite 204
Las Vegas, NV 89148
bcpserv@ag.nv.gov

Alan Dickman
IBM
1537 Coyote Ct
Golden, CO 80403
adickman@us.ibm.com

Angel DeFazio
National Toxic Encephalopathy FDN (NTEF)
PO Box 29194
Las Vegas, NV 89126
angel@ntef-usa.org

Angel DeFazio
NV Energy Stop Smart Meters (NVE SSM)
PO Box 29194
Las Vegas, NV 89126
info@nvestopsmartmeters.info

Angel DeFazio
PUC Watch Dogs
PO Box 29194
Las Vegas, NV 89126
info@pucwatchdogs.com

Angel DeFazio
PO Box 29194
Las Vegas, NV 89126
ntefusa@aol.com

Buck Endemann
K&L Gates LLP
4 Embarcadero Ctr., Ste. 1200
San Francisco, CA 94111
Buck.endemann@klgates.com

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

Cameron Dyer
Western Resources Advocates
550 W. Musser St., Ste. I
Carson City, NV 89703-4997
Cameron.dyer@westernresources.org

Christopher Villarreal
9492 Olympia Dr.
Eden Prairie, MN 55347
chris@pluggedinstrategies.com

Claire Henly
Claire.henly@energyweb.org

Jens Griesing
Jens.griesing@energyweb.org

Douglas Miller
22830 Two Rivers Rd.
Basalt, CO 81621
Doug.miller@energyweb.org

Danielle Duignan
EUCI
4601 DTC Blvd., Ste. 800
Denver, CO 80237
dduignan@euci.com

Lauren Rosenblatt
E-Centricity LLP
2830 Montessouri St.
Las Vegas, NV 89117
lauren@e-centricity.com

Michael Kipp
2889 W. Ashton Blvd., Ste. 400
Lehi, UT 84043
makipp@us.ibm.com

Stephanie Sciarani
Blockchains
610 Waltham Way
Sparks, NV 89437
ssciarani@blockchains.com

Landon Stevens
1200 W. Washington St.
Phoenix, AZ 85007
lstevens@azcc.gov

DATED this 15th day of July, 2020.

/s/ Lori Petersen
Lori Petersen
Senior Legal Administrative Assistant
Nevada Power Company
Sierra Pacific Power Company