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18-09008

Public Utilities Commission of Nevada
Electronic Filing

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Reference:

Filed For: NPC and SPPC

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by: /s LynnDInnocenti

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FILED WITH THE PUBLIC UTILITIES COMMISSION OF NEVADA - 9/20/2019

September 20, 2019

Ms. Trisha Osborne
Assistant Commission Secretary
Public Utilities Commission of Nevada
1150 East William Street
Carson City, Nevada 89701-3109

RE: Docket No. 18-09008

Dear Ms. Osborne:

Accompanying this letter for filing in the above-referenced docket is correspondence signed jointly by representatives of NV Energy, the Energy Web Foundation, and Blockchains LLC.

Please advise the undersigned if you have any questions about his filing.

Sincerely,

/s/Douglas Brooks

Douglas Brooks
Senior Attorney
702-402-5697
dbrooks@nvenergy.com



September 12, 2019

Ms. Trisha Osborne
Assistant Commission Secretary
Public Utilities Commission of Nevada
1150 East William Street
Carson City, Nevada 89701-3109

RE: Docket No. 18-09008

Dear Ms. Osborne:

This letter is being filed by NV Energy on behalf of itself, the Energy Web Foundation, and Blockchains LLC as a follow up on the May 6, 2019 workshop in the above-referenced docket with the Public Utilities Commission of Nevada (“PUCN”). In this workshop participants discussed how they could collaborate to improve Nevada’s tracking and certification of portfolio energy credits (“PECs”) possibly utilizing blockchain-based solutions to track and certify Nevada PECs. In this letter, Blockchains, NV Energy and Energy Web Foundation jointly propose next steps to be contemplated in this docket.

As a note, Blockchains LLC and NV Energy have entered into a Memorandum of Understanding by which the Companies will work together to collaborate and incubate public blockchain technology. This memorandum was executed in October of 2018, however it was not intended to respond to the opening of this docket.

As identified during the workshop, there are many different issues that Nevada faces with its current PECs tracking system. The RPS standards have gone up and Nevada will be in a position to need to track more and more renewable energy installations and potentially manage a fair and robust PEC market. The signatories to this filing would like to propose some next steps for consideration in advancing this docket. In order to determine if rulemaking is needed to authorize the utilization of blockchain-based solutions to track and certify Nevada portfolio energy credits, or some other solution entirely, it would be prudent for all parties to understand the technology and to see whether or not the concepts work in Nevada’s system.

We also believe there is a lot to learn about different solutions for tracking renewable energy credits. This is why we as a group are recommending these next steps be progressed simultaneously.

1. Commission a summary report on how renewable energy credits are being tracked in other locations and the advantages and disadvantages of these systems.
 - a. Identify tracking methods that should be further studied for application in Nevada in addition to the public blockchain, if any.

Ms. Trisha Osbourne
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2. Schedule workshops to educate all stakeholder's on a public blockchain based solution.
 - a. Provide a tutorial on blockchain technology.
 - b. Provide a presentation of other public blockchain based PECs tracking projects that are underway.
3. Charter a public blockchain based PEC tracking proof of concept pilot project.

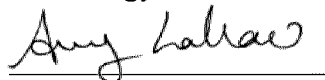
The signatories to this letter are proposing a proof of concept pilot project because we believe that public blockchain, and distributed technologies similar to blockchain, can serve to accurately and easily track PECs. The nature of this tracking system is an IT solution that will best suit a distributed system of producers. This would be a system where producers can upload, register and track their data in a distributed way; and buyers can access generators directly in a simplified and distributed way, with a full set of security and trust on both sides that there is no double-counting, and that there is full transparency of data all the way from seller to buyer. We recognize that blockchain solutions are not well understood and that applications will need to be somewhat customized for Nevada. A proof of concept pilot project will provide an opportunity for all stakeholders to understand a public blockchain solution.

In anticipation of the next steps of this process, we have attached a sample outline of what the public blockchain based pilot project would look like. We look forward to getting stakeholder input on the details that should be included in this project.

We appreciate the Commission's consideration of the suggestions in this letter and we look forward to providing input on improving Nevada's ability to track and certify portfolio energy credits by continuing an investigation into using public blockchain-based solutions.

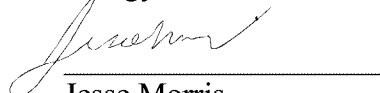
Respectfully,

NV Energy



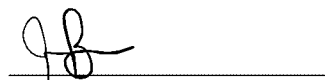
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1. Project Plan

1.1. Overview

[Provide relevant background and overview of high-level objectives/goals]

1.2. Project Description

[Identify the specific objectives of the project and describe the technical approach.]

[Describe feasibility, innovation and impact of the project. Outline the potential risks and any mitigation strategies.]

1.3. Project tasks, dates, effort and misc.

[List the tasks and resulting milestones or deliverable. Describe who is responsible for each task/step.]

Task #	Task Description	Responsible Party	Resulting Milestone or Deliverable

[For each task, provide a schedule, budget and dependencies.]

Task #	Dependencies	Start Date (YYYY-MM-DD)	Person Responsible	Duration (estimated time)	Budget

1.4. Participants and Resources

[For each Participant describe relevant facilities, equipment, computing resources, etc. that they bring to the project.]

[Describe team qualifications and required time commitment..]

1.5. Project Management Plan

[Identify Project management team, and their roles and responsibilities.]

[Include outline of planned structure for coordination/interfaces between groups.]

[Provide a basis for risk management and contingency planning.]

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:

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24 DATED this 20th day of September, 2019.

25 /s/Lynn D'Innocenti
26 Lynn D'Innocenti
27 Senior Legal Administrative Assistant
28 Nevada Power Company
Sierra Pacific Power Company