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DEPUTY GENERAL COUNSEL

April 27, 2021

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *Duke Energy Florida, LLC's Petition for Limited Proceeding to Approve
2021 Settlement Agreement, Including General Base Rate Increases;*
Docket No. 20210016-EI

Dear Mr. Teitzman:

Enclosed for filing on behalf of Duke Energy Florida, LLC ("DEF") is DEF's Amended Response to Staff's First Amended Data Request, specifically question 8d.

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Sincerely,

s/ Dianne M. Triplett

Dianne M. Triplett

DMT/mw
Enclosure

CERTIFICATE OF SERVICE

Docket No. 20210016-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 27th day of April, 2021.

s/ Dianne M. Triplett

Attorney

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**Duke Energy Florida, LLC's (DEF) Amended Response to
Staff's Amended First Data Request, specifically question 8d, regarding
DEF's Petition to Approve 2021 Settlement Agreement**

Docket No. 20210016-EI

8. Please refer to Paragraph 17.
- d. What lessons were learned via the EV Pilot Program which are expected to be incorporated into DEF's New EV Program?

Response:

Park & Plug has provided DEF with comprehensive data on EV charging utilization characteristics within the DEF footprint and practical experience with building an EV charging program within DEF's service territory. Detailed analysis on utilization trends and program costs over time and across segments can be found in DEF's Annual Reports to the Commission.

One of the key takeaways from Park & Plug is that with the growth of the EV market comes greater demand for charging infrastructure. Marketing the availability of Park & Plug resulted in full subscription of the workplace and public Level 2 segments before the end of 2019 and led DEF to create a waitlist to record additional demand. Customer demand continues to be strong after all segments have been fully subscribed and exceeds DEF's ability to install stations given the limitations of the Settlement.

The Pilot has also highlighted differences in the role of utility participation versus private operators in the EV infrastructure space. A utility like DEF can install EV infrastructure for the long-term benefit of all its customers, including underserved populations and areas, while a private operator will likely focus on locations where it is most profitable to install. DEF has installed 81 ports in low-income communities (as defined by FL statute), easily surpassing the 53-port minimum laid out by the Settlement. DEF has also installed fast chargers along key highway corridor and evacuation routes such as US 98, US 27 where there were no chargers installed previously, and none within a reasonable driving distance.

DEF found the multi-unit dwelling segment was more challenging than anticipated given the higher number of target installations and the long lead times caused by the approval processes of multi-unit dwelling applicants. In addition, DEF expected that more charging ports would be installed at each multi-unit dwelling host site, however, that expectation did not materialize due to site host reluctance to designate multiple parking spots for EV charging. In contrast, workplace charging continues

to be well received with high utilization rates for the charging ports installed at workplace sites.

Lastly, DEF also observed that growth in the installed base of EV charging stations across Florida supported overall EV market adoption, and that competition within the EV charging market improved in conjunction with DEF's Pilot deployment. According to the Department of Energy's Alternative Fuels Data Center (AFDC), publicly accessible Level 2 charging ports in Florida increased from 1,667 ports in December 2017 (prior to the launch of Park & Plug) to 4,975 ports in March of 2021. DEF's installations therefore accounted for 16% of the total statewide increase of Level 2 ports over that time period. DC Fast Charging (DCFC) ports in Florida increased from 266 ports to 936 ports. DEF's installations accounted for 5.5% of the increase in DCFC ports.

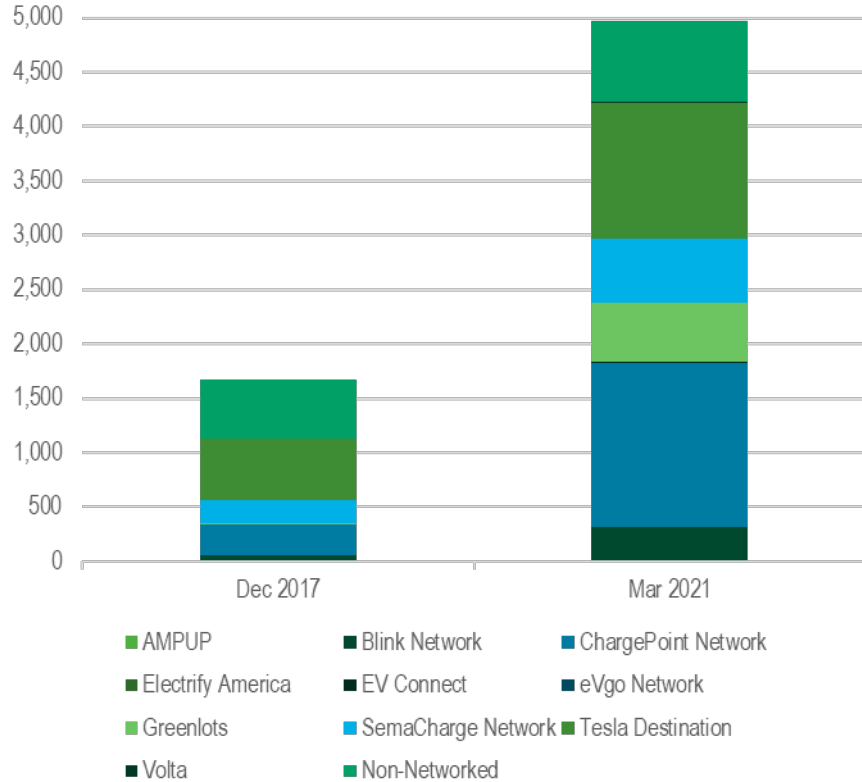
In terms of market competitiveness, DEF's deployment occurred in conjunction with an increase in competition in both the Level 2 and DCFC charging markets. At the start of Park & Plug, the top three networks represented over 90% of the networked Level 2 charging marketplace, again according to AFDC data. As of March 2021, there are now five network operators with at least 5% market share. Market share for Tesla fell from 50% to 30% while Blink, ChargePoint, Greenlots, and SemaCharge all gained market share. Greenlots, the network operator selected by DEF to provide network services to P&P chargers, ended March 2021 as the 4th largest network with 13% of networked stations in FL.

In the DCFC market, Tesla remained the market leader with 70% market share at both December 2017 and March 2021. Electrify America, ChargePoint, Greenlots, and FPLEV all gained market share as new stations were installed, while EVgo's share fell as it did not install any new stations. Market competition increased over the time period: in 2017 there were only two networks besides Tesla with more than 1% market share while in 2021 there are now five networks with more than 1% market share. Greenlots ended March 2021 with 4.5% market share of the DCFC networked charging market.

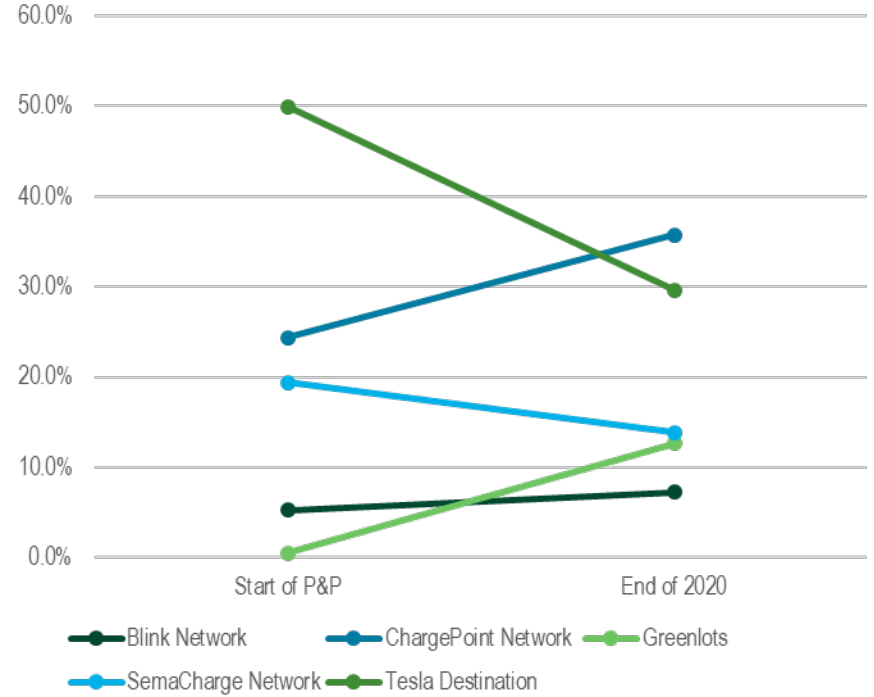
Overall, these market trends show that DEF's deployment supported development of the EV charging market, helped to increase competition in the market, and did not have any detectable negative impacts on competition in the EV charging market. Please see the attached document titled, "FL EV Charging Market Development-Fast Charging".

FL EV Charging Market Development – Level 2

Level 2 Ports - Florida

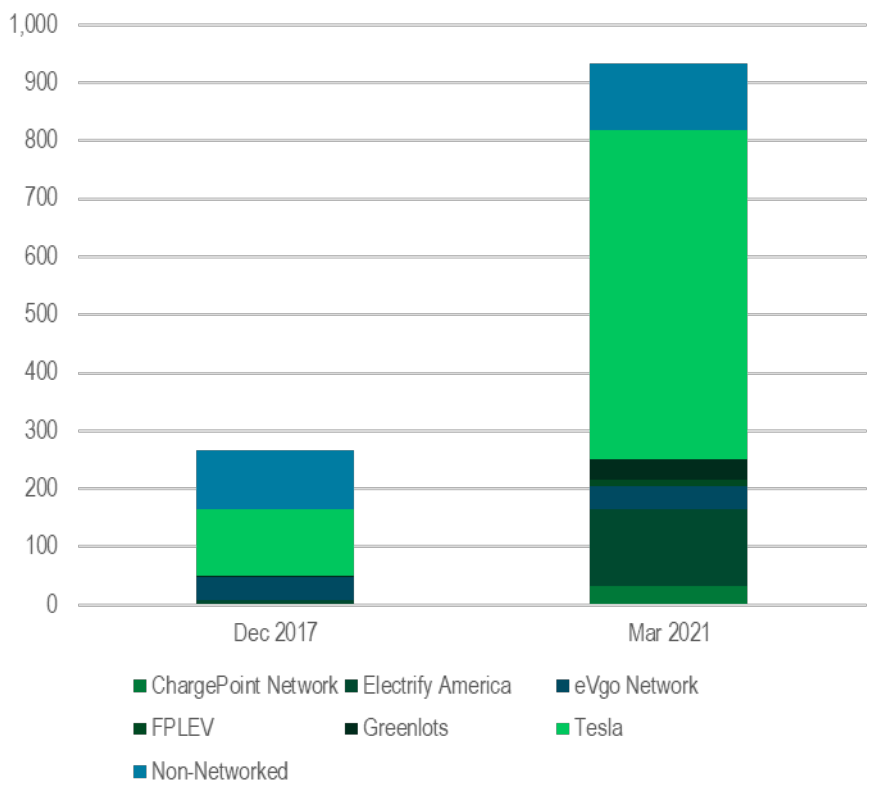


Public L2 - Network Market Share of Top 5 Networks

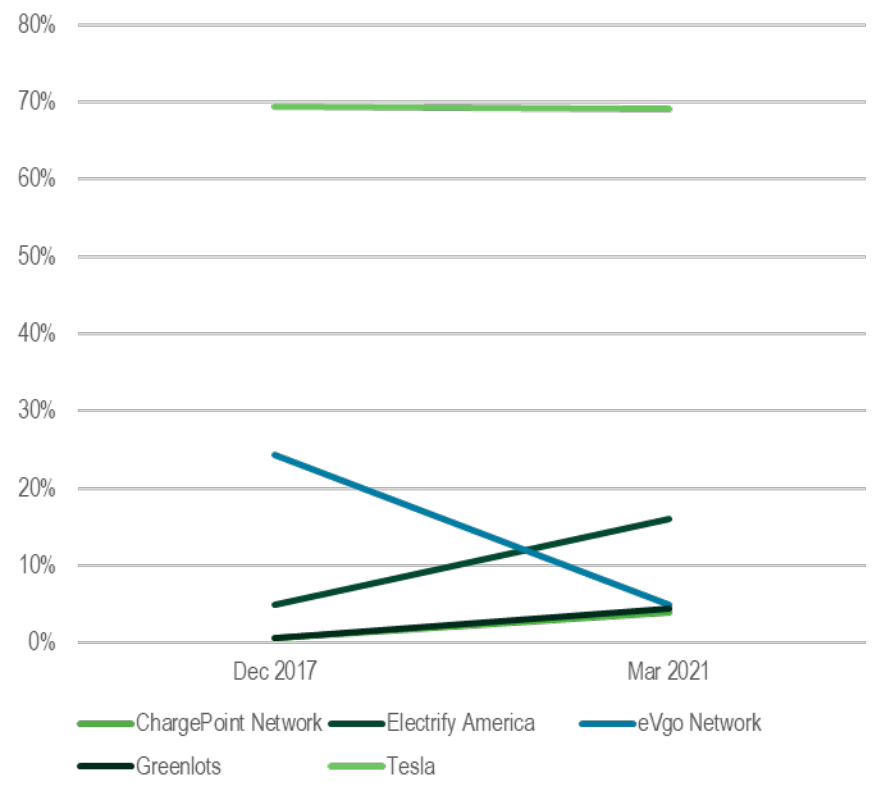


FL EV Charging Market Development – Fast Charging

DC Fast Ports - Florida



DC Fast - Network Market Share



Source: Department of Energy, Alternative Fuels Data Center, Accessed April 2021


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STATE OF NORTH CAROLINA

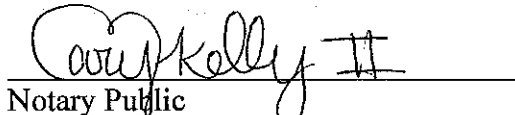
COUNTY OF MECKLENBURG

I hereby certify that on this 17 day of March, 2021, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared **LANG W. REYNOLDS**, who is personally known to me, and he acknowledged before me that he provided the answers to data request numbers 8a, 8c, 8d, 8e, 8f, 8g, 8i, 8j, and 8k, from STAFF'S FIRST AMENDED DATA REQUEST FOR DUKE ENERGY FLORIDA, LLC dba DUKE ENERGY in Docket No. 20210016-EI, and that the responses are true and correct based on his personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 17 day of March, 2021.


Lang W. Reynolds

Mary Kelly II
Notary Public
Mecklenburg County, NC
My Commission Expires August 19, 2025


Notary Public
State of North Carolina
Mecklenburg

My Commission Expires:
August 19, 2025