

Electrical Network Systems Conference

Welcome & APC PD Overview

SCOTT MOORE
ALABAMA POWER
SVP POWER DELIVERY
APRIL 25, 2023



Welcome!

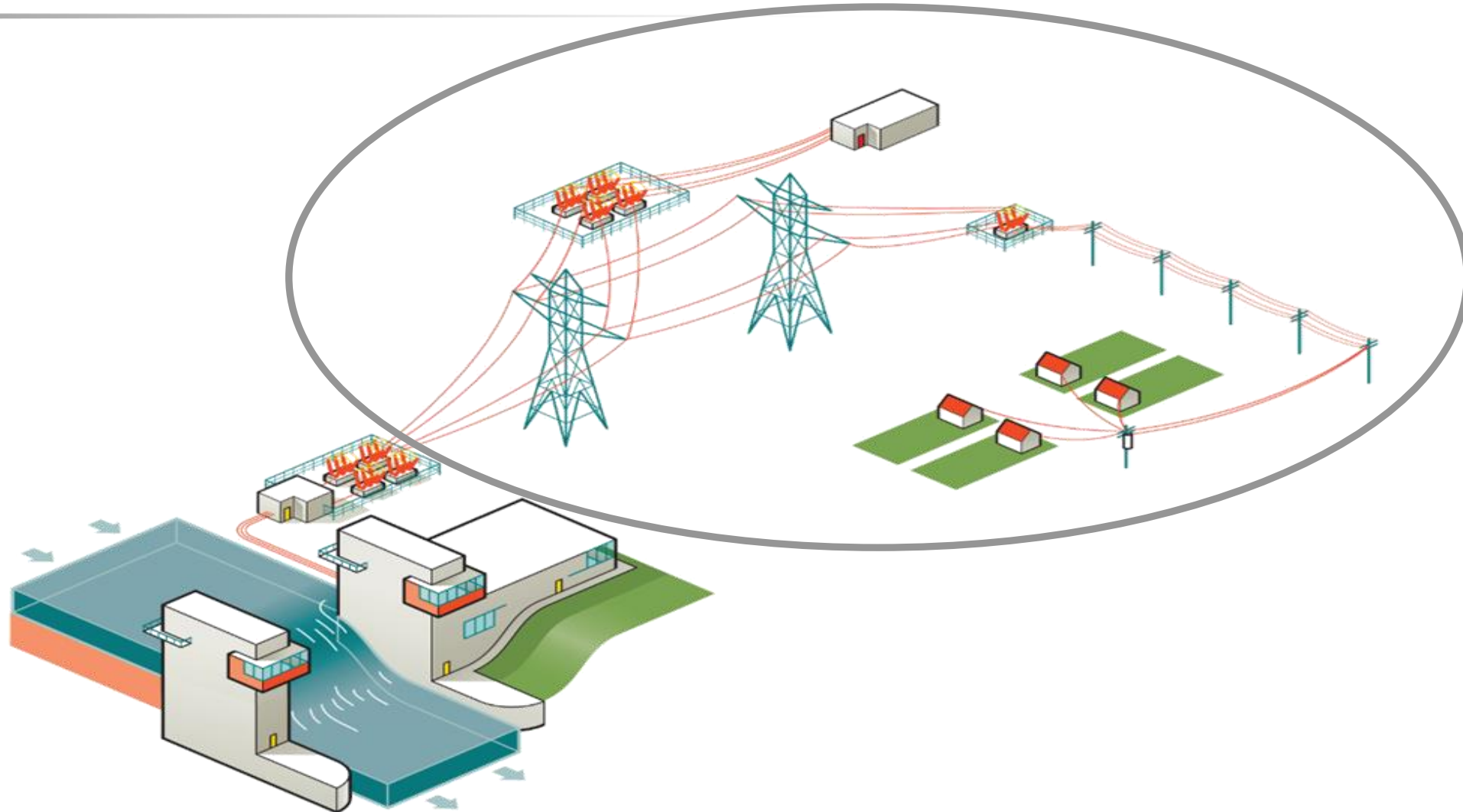


SMART RELIABLE SECURE



PowerDelivery

What is Power Delivery?



PD Infrastructure

Power Delivery

Transmission

Towers: 10,307

Poles: 112,240

Distribution

Towers: 4

Poles: 1,459,836

Total Poles and Towers

1,582,387



83,622 miles
of power lines



TRANSMISSION

10,576 mi.

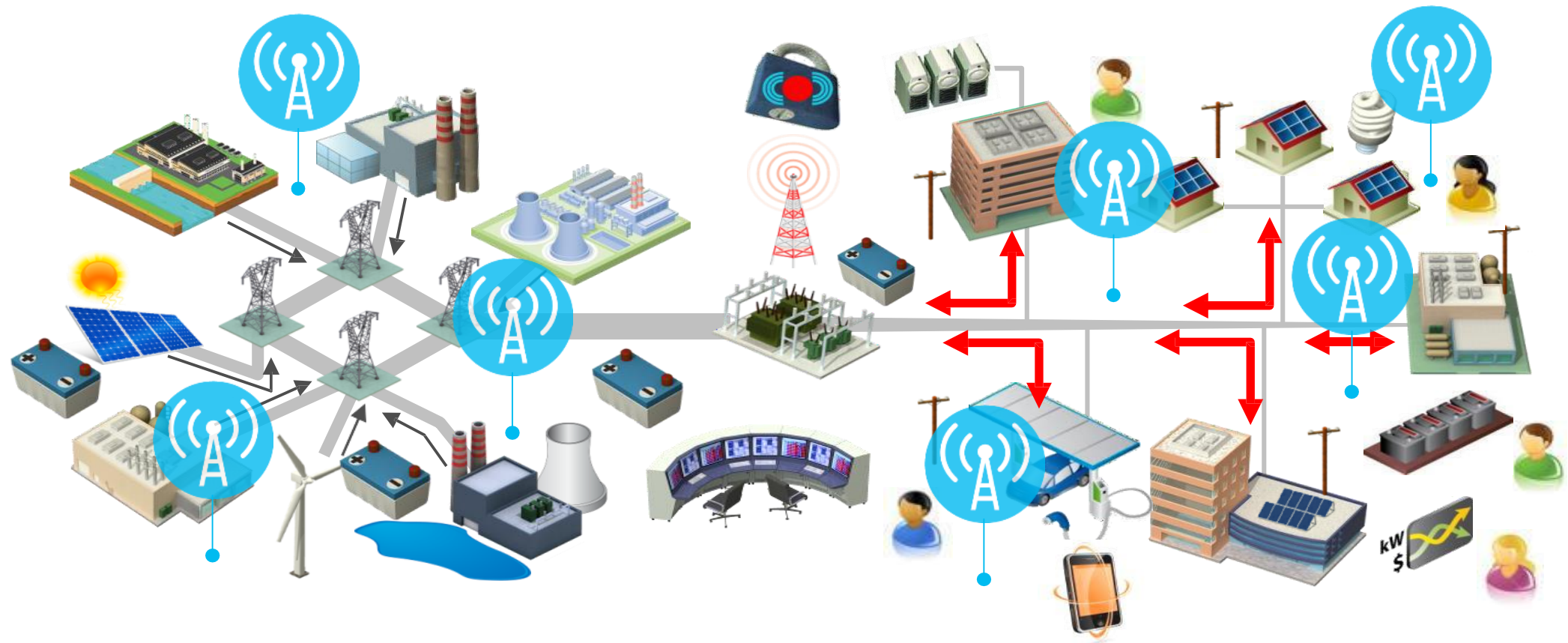
DISTRIBUTION

74,957 mi.

Our power lines would
circle the world over
three times.

The circumference of the
Earth is 24,901 miles.

Our Industry is Changing

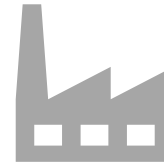


Fiber | Core Business Wins



640

Distribution Devices Connected to Fiber



16 Fiber “ICON” Connected substations
33 Transmission Sites Prepared for future
28 Substations participating in HDC



560

HDC Operations supported by Fiber
(140 YTD)



11+

APC Facilities Connected



55

LTE + AMI FTD Connected Sites



3

Data Centers Connected
(2 more in progress)

Automated Restoration Impacts

Year	# of Restores	# of Customers Restored	CMI Avoided	SAIDI Impact (Minutes)	SAIFI Impact (Interruptions/Customer)	Lost Revenue Avoided	ICE "Economic Impact"
2019	82	46,360	8M	5.22	0.03	\$65k	\$22.1M
2020	498	247,224	163M	108.21	0.16	\$1.04M	\$188.9M
2021	501	254,025	52M	34.65	0.17	\$427k	\$120.9M
2022	668	346,150	66M	43.75	0.23	\$627k	\$165.8M
2023	160	85,217	15M	9.77	0.06	\$65k	\$36.7M
Total	1,909	978,976	304M			\$2.2M	\$534.4M

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