

# Adaptable Grid Project

## Project Summary & Key Takeaways

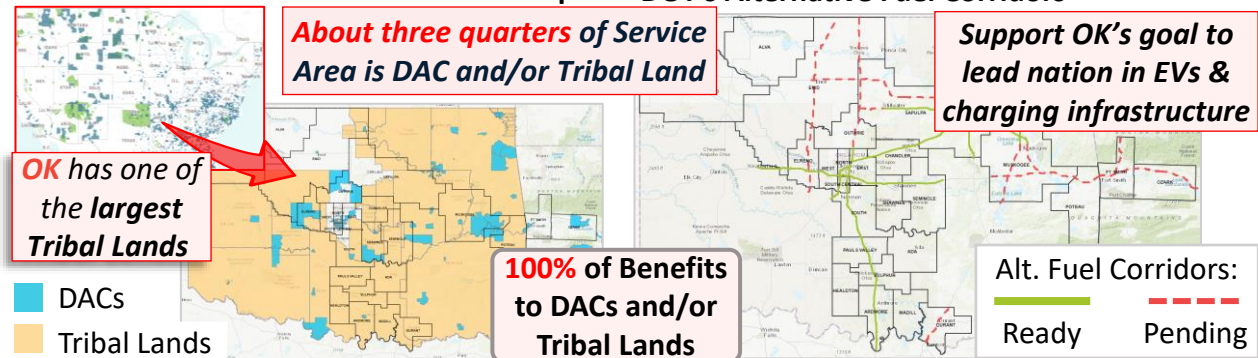
The **Adaptable Grid Project** invests **\$102M** (\$50M Federal/\$52M OG&E) to advance Tribal Lands / DACs towards a Clean Energy Economy by implementing grid automation & 2 mobile BESS<sup>1</sup> to enhance grid visibility, enable autonomous controls, mitigate disruptions, adapt to growing loads & facilitate DER & EV expansion – while narrowing the reliability gap for SAIDI without MED (Per EIA, OG&E Oklahoma ranks Q4 in nation and Q3 in region: AR, LA, OK, TX).

**Oklahoma Gas & Electric (OG&E)** serves **~887,000** customers over a vast **30,000** mi<sup>2</sup> service area with **19** Tribal tracts, **20** tribes, and **~150** disadvantaged communities (DACs).

## Project Drivers

OG&E Service Area & DOE's Justice40 Map

DOT's Alternative Fuel Corridors



**Grant Funding Offsets Rising Energy Costs**

**Project Overcomes Regional Challenges**

OK is the **8<sup>th</sup>** lowest median household income state with a **20% wage gap** from the national average (*U.S. Census Bureau*)

OK is **3<sup>rd</sup>** and AR is **7<sup>th</sup>** for severe storms since 2000 (*FEMA*)  
**Vast service area** amplifies need for remote capabilities

## Project Objectives & Impact

- 1** Improve flexibility to **respond to grid variability** (e.g., weather, EVs, DERs)
- 2** Stimulate **economic growth** and clean energy transformation in **DACs / Tribal Lands**
- 3** Improve system visibility with **autonomous controls**
- 4** Facilitate necessary investments and **minimize energy burden** on customers

## STATISTICS

**90k** Customers

**92** Circuits

**460** Intellirupters

**26** Substations

**2** Mobile BESS

## BENEFIT ESTIMATES

**~\$225M**  
Social Benefit 20-year Present Value

**Project Benefits Allocation**

76%

14%

10%

100%

Tribal Lands

DACs

DACs and Tribal Lands



**Avoided Customer Outage Costs**  
Total (2028E)<sup>2</sup>: **\$17M+** per year



**Avoided Customer Outage Minutes**  
Annual (incl. storms): **50,000,000+**



**Economic Impact from Jobs**  
Total: **~\$50M** (5-year impact)



**Jobs Created Across Supply Chain**  
Total: **~1,000 Jobs** (5-year impact)

<sup>1</sup> Battery Energy Storage Systems. <sup>2</sup> Once 100% funding is applied; baseline years 2019-21

**Project Manager: Brian Huckabay, Director Distribution Engineering Tech Services**