## DECARBONIZATION TARGETS FOR THE LARGEST U.S. UTILITIES (i) How To Read This $\psi$ Start ↓ i Decarbonization Types ↓ (i) MOST OF THE EARLY GOALS are smaller How does the U.S. get to zero-carbon electricity? in scope, but the City of Seattle has already Company CO<sub>2</sub> emissions been carbon neutral since 2005. Here's a breakdown of the decarbonization targets set by the largest investor-owned Name and Logo and local utilities in the nation. Clean electricity **Target Date GHG** emissions Decarbonization Carbon intensity Goal % Renewable energy Decarbonization Efforts Map 2005 2021 2022 Decarbonization Goal → 2050 States where the utility is one of the largest providers M, SD Xcel Energy TX Vistra (TXU Energy Retail Co) AL, GA, MS Southern Company **Decarbonization Efforts** NJ PSEG Ameren IL, MO (i) CARBON INTENSITY REDUCTIONS serve to lower the carbon NE Omaha Public Power District output of generated electricity DTE Electric Company MI CO2 EMISSIONS CLEAN ELECTRICITY GHG EMISSIONS TX NRG CARBON INTENSITY RENEWABLE ENERGY OTHER > OGE Electric OK Carbon Neutral AR, LA, MS Entergy (i) Carbon neutral includes utilities that Entergy AR, LA, MS 50% pledged "net zero" carbon emissions, FL Emera (Tampa Electric Co) either by fully eliminating emissions 50% or more commonly by balancing Southern Company AL, GA, MS reduced emissions with carbon FL, IN, NC, OH, SC Duke Energy 13 million tonne reduction offsets elsewhere WEC Energy WI MI DTE Electric Company PSEG NJ NC, SC, VA Dominion Energy Arizona Public Service Co AZ TX City of San Antonio NiSource IN IL, MO Ameren IA, WI Alliant (i) WHILE CO<sub>2</sub> EMISSION **REDUCTION** were the most common, many utilities focused on reducing other Greenhouse Gas (GHG) emissions as wel (i) ARE 100% RENEWABLE ENERGY AND CLEAN ELECTRICITY PLEDGES **EQUIVALENT?** The former is a strong start, but a 100% clean electricity pledge fully eliminates CO<sub>2</sub> emissions VISUAL **NPUC** f visualcapitalist visualcapitalist.com