

Table B-1. Major Investments in Renewable Energy Across North Carolina Counties (Millions 2022\$)

County Name	County Distress Rankings 2023	Biomass	Hydro	Landfill Gas/ Fuel Cell	Solar Photovoltaic	Solar Thermal	Wind	Total
Alamance	2	—	—	—	119.6	—	—	119.6
Alexander	2	—	—	—	36.9	—	—	36.9
Alleghany	2	—	—	—	—	—	—	—
Anson	1	—	—	—	332.6	—	—	332.6
Ashe	2	—	—	—	—	—	—	—
Avery	3	—	—	—	15.0	—	—	15.0
Beaufort	2	—	—	—	405.4	—	—	405.4
Bertie	1	1.8	—	—	161.9	—	—	163.7
Bladen	1	—	—	—	521.9	—	—	521.9
Brunswick	3	51.4	—	—	31.8	—	—	83.1
Buncombe	3	—	—	4.0	64.3	—	—	68.3
Burke	1	—	36.4	—	38.9	—	—	75.3
Cabarrus	3	6.9	—	31.3	285.9	16.7	—	340.8
Caldwell	2	—	—	—	4.4	—	—	4.4
Camden	3	—	—	—	25.4	—	—	25.4
Carteret	3	—	—	—	0.9	—	—	0.9
Caswell	1	—	—	—	57.5	—	—	57.5
Catawba	2	—	—	77.9	401.2	—	—	479.1
Chatham	3	—	15.0	—	137.2	—	—	152.1
Cherokee	1	—	—	—	38.4	—	—	38.4
Chowan	1	—	—	—	40.4	—	—	40.4
Clay	2	—	—	—	19.5	—	—	19.5
Cleveland	2	—	1.8	—	278.8	—	—	280.6
Columbus	1	—	—	—	232.9	—	—	232.9
Craven	2	—	—	12.2	82.8	—	—	95.0
Cumberland	1	—	2.9	—	580.2	—	—	583.1
Currituck	3	—	—	—	454.4	—	—	454.4
Dare	2	—	—	—	0.1	—	—	0.1
Davidson	2	—	—	4.6	124.7	—	—	129.3
Davie	2	—	—	—	113.1	—	—	113.1
Duplin	1	403.4	—	—	525.3	—	—	928.7
Durham	3	—	—	9.4	84.9	—	—	94.3

(continued)

Table B-1. Major Investments in Renewable Energy Across North Carolina Counties (Millions 2022\$) (continued)

County Name	County Distress Rankings 2023	Biomass	Hydro	Landfill Gas/ Fuel Cell	Solar Photovoltaic	Solar Thermal	Wind	Total
Edgecombe	1	—	—	—	593.1	—	—	593.1
Forsyth	2	4.0	—	6.7	38.6	2.4	—	51.8
Franklin	2	—	—	—	261.5	—	—	261.5
Gaston	2	—	—	13.0	149.3	—	—	162.3
Gates	2	—	—	—	30.2	—	—	30.2
Graham	1	—	—	—	0.2	—	—	0.2
Granville	2	—	—	—	109.0	—	—	109.0
Greene	1	—	—	—	40.3	—	—	40.3
Guilford	2	—	—	3.9	112.1	1.4	—	117.4
Halifax	1	—	—	—	601.6	—	—	601.6
Harnett	2	—	—	—	156.9	—	—	156.9
Haywood	2	—	—	—	13.8	—	—	13.8
Henderson	3	—	—	—	38.8	2.9	—	41.8
Hertford	1	1.4	—	—	406.1	—	—	407.5
Hoke	1	—	—	—	52.9	—	—	52.9
Hyde	1	—	—	—	—	—	—	—
Iredell	3	—	—	13.0	24.5	—	—	37.5
Jackson	2	—	—	—	1.5	—	—	1.5
Johnston	3	—	—	4.3	300.7	—	—	305.0
Jones	1	—	—	—	70.5	—	—	70.5
Lee	2	—	—	—	105.1	—	—	105.1
Lenoir	1	—	—	—	290.7	—	—	290.7
Lincoln	3	—	—	—	41.0	—	—	41.0
Macon	2	—	—	—	1.0	—	—	1.0
Madison	2	—	—	—	—	—	—	—
Martin	2	—	—	—	245.7	—	—	245.7
McDowell	2	—	—	—	1.9	—	—	1.9
Mecklenburg	3	45.8	—	5.1	83.5	—	—	134.4
Mitchell	1	—	—	—	0.5	—	—	0.5
Montgomery	2	—	—	25.6	150.1	—	—	175.7
Moore	3	—	—	—	130.8	—	—	130.8
Nash	1	—	1.2	—	490.6	—	—	491.8

(continued)

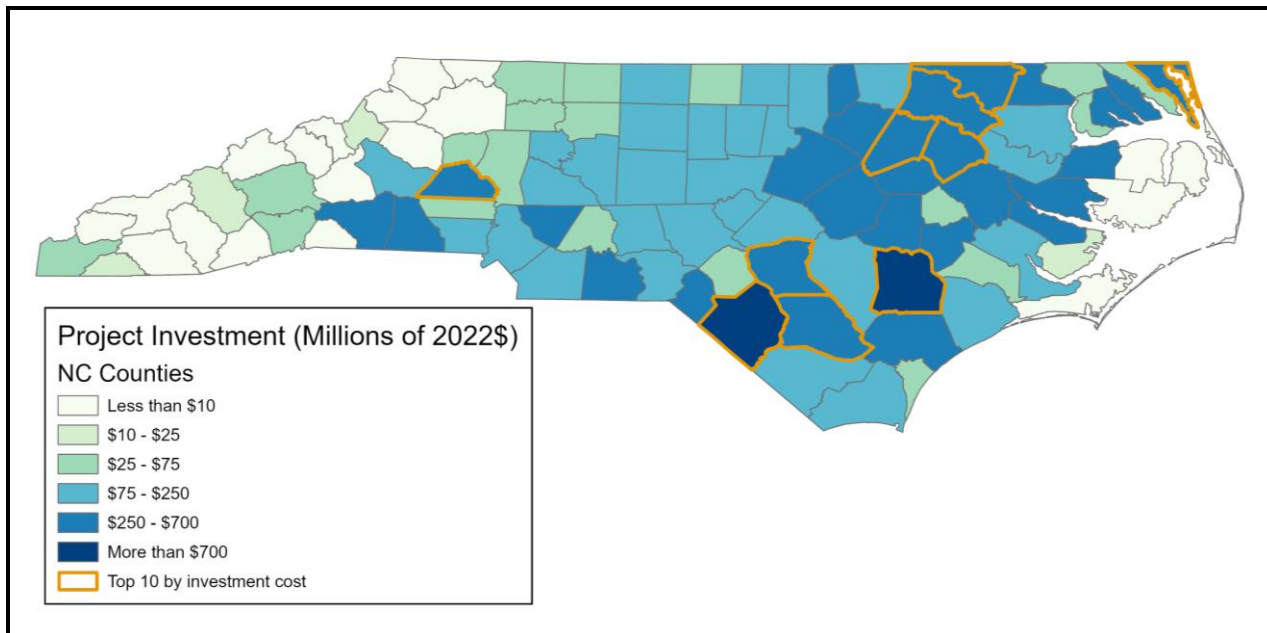
Table B-1. Major Investments in Renewable Energy Across North Carolina Counties (Millions 2022\$) (continued)

County Name	County Distress Rankings 2023	Biomass	Hydro	Landfill Gas/ Fuel Cell	Solar Photovoltaic	Solar Thermal	Wind	Total
New Hanover	3	—	—	—	26.4	1.1	—	27.6
Northampton	1	—	—	—	523.5	—	—	523.5
Onslow	1	—	—	5.3	99.0	—	—	104.2
Orange	3	—	—	—	73.5	1.5	—	75.0
Pamlico	2	—	—	—	13.7	—	—	13.7
Pasquotank	2	—	—	—	73.1	—	214.6	287.7
Pender	3	—	—	—	334.7	—	—	334.7
Perquimans	2	—	—	—	108.5	—	214.6	323.1
Person	2	51.4	—	—	86.3	—	—	137.7
Pitt	1	5.9	—	—	249.0	—	—	254.8
Polk	2	—	—	—	0.9	—	—	0.9
Randolph	1	—	—	—	132.9	—	—	132.9
Richmond	1	—	—	—	229.3	—	—	229.3
Robeson	1	127.1	—	2.7	638.3	—	—	768.2
Rockingham	1	2.5	—	2.2	100.0	—	—	104.8
Rowan	2	1.4	—	—	154.2	—	—	155.7
Rutherford	1	—	—	—	365.9	—	—	365.9
Sampson	1	59.2	—	17.2	119.2	—	—	195.6
Scotland	1	—	—	—	431.3	—	—	431.3
Stanly	2	—	—	—	30.7	—	—	30.7
Stokes	2	—	—	—	27.2	—	—	27.2
Surry	1	—	—	12.7	32.2	—	—	45.0
Swain	2	—	—	—	0.6	—	—	0.6
Transylvania	2	—	—	—	1.8	—	—	1.8
Tyrrell	1	—	—	—	—	—	—	—
Union	3	—	—	—	231.2	—	—	231.2
Vance	1	—	—	—	312.4	—	—	312.4
Wake	3	—	—	17.1	263.0	—	—	280.1
Warren	1	—	—	—	169.5	—	—	169.5
Washington	1	—	—	—	339.5	—	—	339.5
Watauga	2	—	—	—	—	—	—	—
Wayne	1	—	—	9.2	352.6	—	—	361.8

(continued)

Table B-1. Major Investments in Renewable Energy Across North Carolina Counties (Millions 2022\$) (continued)

County Name	County Distress Rankings 2023	Biomass	Hydro	Landfill Gas/ Fuel Cell	Solar Photovoltaic	Solar Thermal	Wind	Total
Wilkes	1	–	–	–	1.7	–	–	1.7
Wilson	1	–	–	–	369.0	–	–	369.0
Yadkin	2	–	–	–	59.2	–	–	59.2
Yancey	2	–	–	–	0.1	–	–	0.1
Grand Total	N/A	762.4	57.3	277.4	15709.0	26.1	429.3	17261.5

Figure B-1. Major Investments in Renewable Energy Across North Carolina Counties (Millions 2022\$)

Figures 2-2, B-1, B-2, B-3, and B-4 illustrate the geographic distribution of renewable energy projects aggregated to North Carolina counties, Senate and House districts, and the U.S. Congressional districts.

The North Carolina Department of Commerce County Distress Rankings is an annual ranking of counties based on economic well-being with 1 being the most distressed and 3 being the least (NCDOC, 2023). For this analysis, we used 2023 rankings. North Carolina State House and Senate and Congressional districts as well as NC counties used in this analysis were based on boundaries defined for the 2022 US Census Cartographic Boundary Files. Shape files for these district and county boundaries were obtained from the U.S. Census website ([Cartographic Boundary Files \(census.gov\)](https://www.census.gov/data/decennial/cartographic-boundary-files.html)).