

# North Carolina

## CHP Installations:

From the [EEA website](#) North Carolina has a large list of CHP installations with a capacity of 1,482 MW at 45 sites. The site shows a list of all the sites with the city, organization name, application, fuel and capacity. Other installations can be found using this [searchable database](#). If you know of other CHP installations please submit them using this [user-friendly input form](#).

## CHP Market Potential

Market potential for future CHP in North Carolina is estimated at 5,552 MW by Energy and Environmental Analysis. A CHP market review for the southeast can be found [here](#).

## Energy Pricing

Energy pricing, for both fuel and electricity, can have significant impacts on the financial viability of CHP. Further discussions of energy pricing in North Carolina is available below and at the [EIA website](#). Check with you local [energy providers](#) for specific pricing in your area. More in-depth information can be found [below](#).

## CHP Partners

Some CHP partners are listed on the EPA's CHP site. The partners listed include:

- North Carolina Solar Center
- Affiliated Engineers as a consulting/engineering organization
- University of North Carolina at Chapel Hill as an end user

This list can be found at this [link](#)

Other companies known to have existing CHP capabilities can be found in this [contact database](#).

## Financial Incentives for CHP Systems

Financial incentives for CHP systems can be found in two places. The Database of State Incentives for Renewable Energy (DSIRE) is a comprehensive source of information on state, local, utility, and selected federal incentives such as low interest loans, rebates, tax credits, green power programs, and net metering agreements that promote renewable energy. The website for the North Carolina list can be found at [DSIRE Website](#).

The EPA also has a [list](#) of funding opportunities for CHP applications. For North Carolina this list includes information on energy improvement loans, renewable energy tax credit, and green power production incentives.

Net metering for North Carolina took effect January 1 2006. It is available to customers of the three largest electricity suppliers, Dominion, Duke and Progress. However the restrictions on it limit the benefit to CHP. Residential customers can have systems as large as 20 kW and commercial installations can be as large as 100 kW. The systems eligible are also limited to photovoltaic, wind power or biomass fueled renewable energy.

## Utility Contacts

No specific study has been identified to ascertain the participation of utilities within

North Carolina that are engaged in CHP system applications. Some utilities known to be engaged in CHP applications are identified in our [Contact database](#). Some direct links to utilities in North Carolina are shown below.

### List of Electrical Suppliers in North Carolina

[Utilities Suppliers](#)

[Non Utilities Suppliers](#)

### Links to Major Electricity providers in North Carolina

[Duke Energy](#)

[Progress Energy](#)

[Dominion North Carolina Power](#)

[New River Light and Power](#)

### Other Useful Links

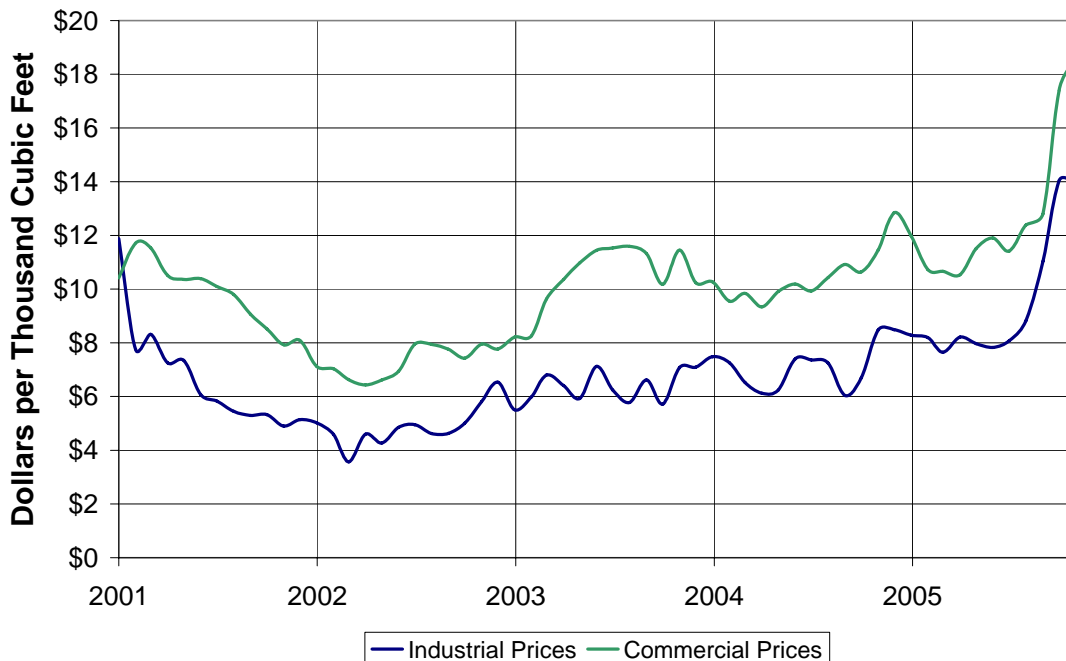
[North Carolina Utilities Commission](#)

### Energy Pricing Details

#### Natural Gas

- Here is a [list](#) of natural gas companies and their contact information operating in North Carolina.
- [Table](#) of natural gas customer number divided into residential, commercial and industrial.
- [Table](#) of natural gas consumption by use

### Industrial and Commercial Natural Gas Prices

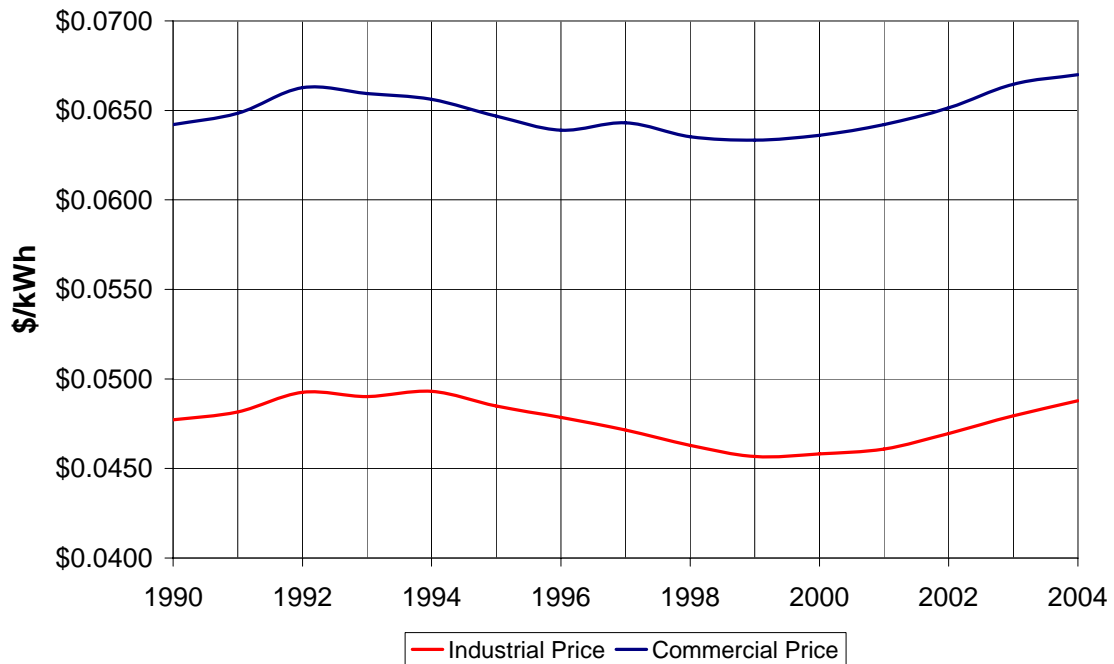


Average Natural Gas Prices (dollars per thousand cubic feet)							
Year		2000	2001	2002	2003	2004	2005
Commercial Price	North Carolina	7.61	10.14	7.25	9.79	10.45	NA
	US	6.59	8.43	6.63	8.4	9.41	11.57
Industrial Price	North Carolina	5.31	6.99	4.91	6.28	7.2	10.32
	US	4.45	5.24	4.02	5.89	6.56	8.47

Graph and table data from [http://tonto.eia.doe.gov/dnav/ng/ng\\_pri\\_sum\\_dcunus\\_m.htm](http://tonto.eia.doe.gov/dnav/ng/ng_pri_sum_dcunus_m.htm)

## Electricity

### Industrial and Commercial Price of Electricity



Graph data from [http://www.eia.doe.gov/cneaf/electricity/esr/esr\\_sum.html](http://www.eia.doe.gov/cneaf/electricity/esr/esr_sum.html)