

Ma.		Orogeny	Plate Tectonic Process
Jurassic	144	ALLEGHANIAN	Symmetrical Rifting and Opening of Atlantic
Triassic	208		
Permian	245 286		Subduction Collision with Africa
Carb.	Pa 320	ACADIAN	Subduction Terrane Accretion
	Miss 360		
Devonian	408	TACONIC ///////////////// PENOBSCOT	A-Subduction Obduction Arc Collision/ Accretion
Silurian	438		
Ordovician	505		
Cambrian	570	AVALONIAN	Trailing Margin Development
Late Proterozoic	1000		Subduction Volcanic Arc Generation
Middle Proterozoic		GRENVILLE	Rifting and Opening of Iapetus

Source: Hatcher (1989)

Progress Energy Carolinas

**Shearon Harris Nuclear Power Plant
Units 2 and 3
Part 2, Final Safety Analysis Report**

New Hill, North Carolina

Central and Southern Appalachian
Tectonic Events

FIGURE 2.5.1-243

Rev. 1