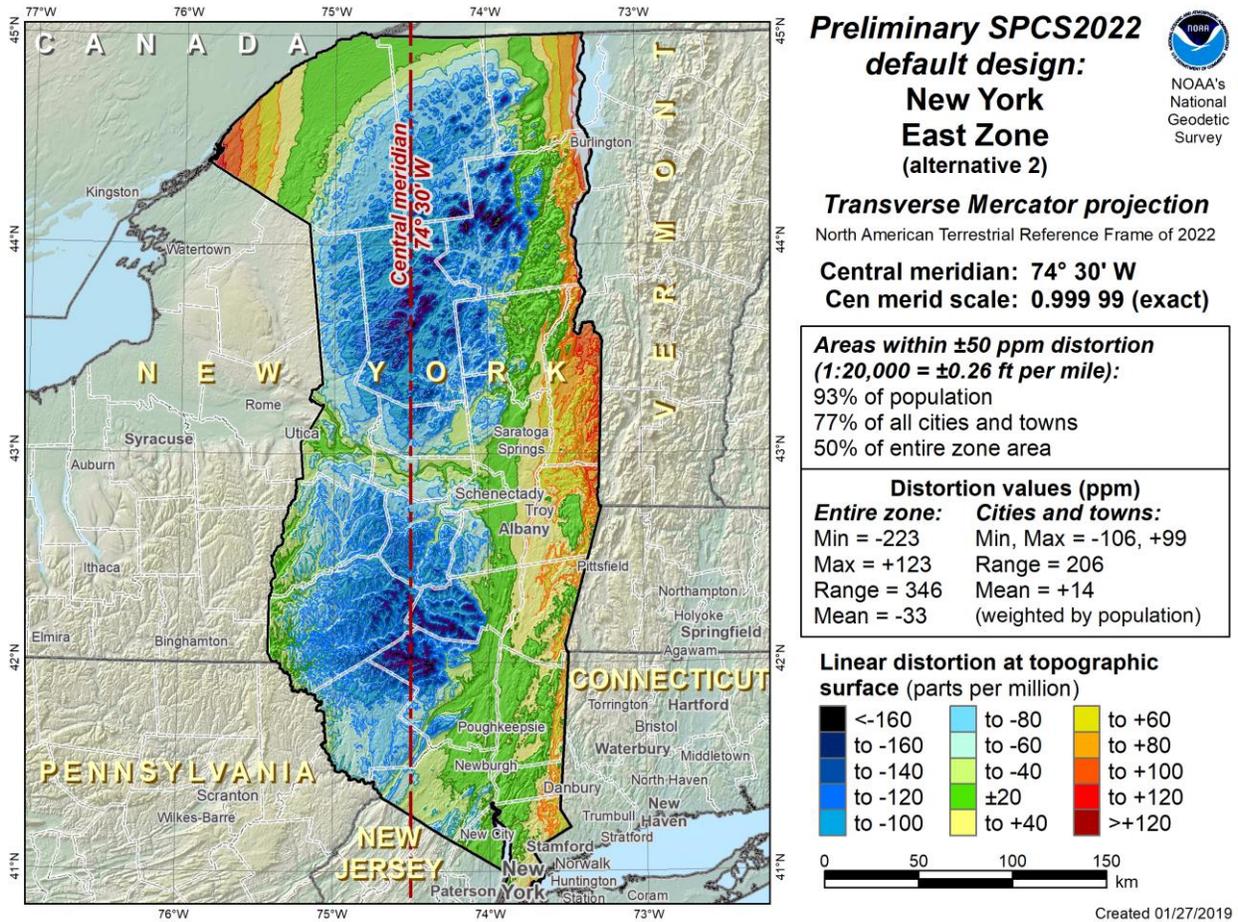


Comments on NIGS State Plane Coordinate System proposals for NJ and NYS

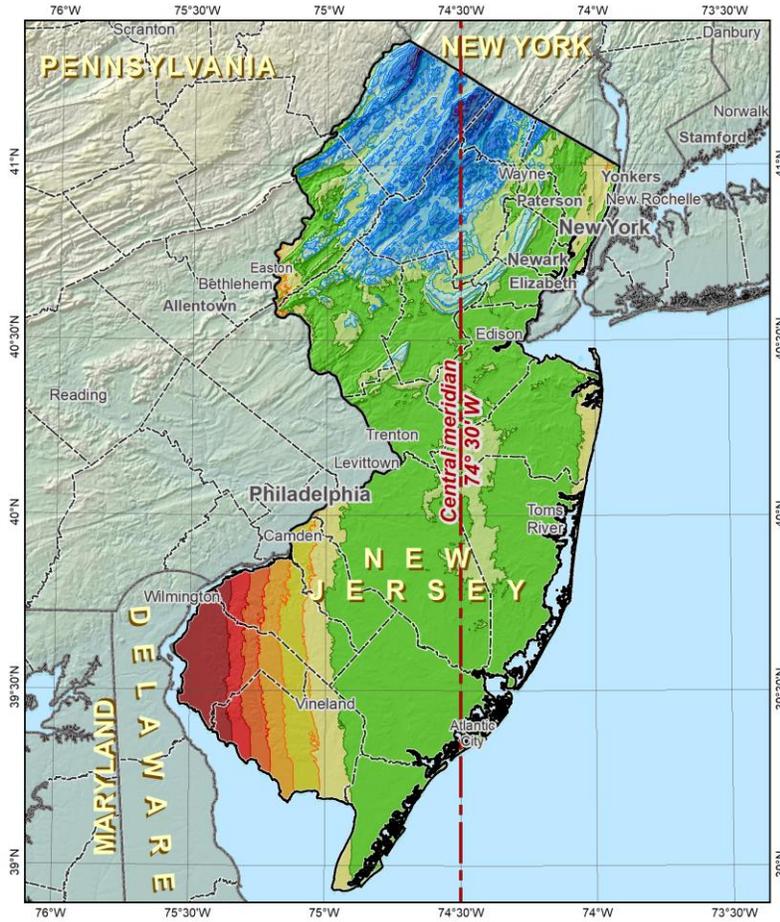
Email from Richard Carlson:

“I reviewed the info I received from NGS for NY (see attached). If NYS chooses this alternative, which would keep their central meridian the same and just change their SF, then this would match NJ, only if NJ chooses Alternative #4. I just wanted to point this out. I am not necessarily saying #4 is a good choice for NJ, because it does have more distortion in the SW corner than other alternatives. However, there could be some benefits for NJ being equivalent to NY-E as it has been in the past.”

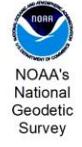
Proposal for NYS East (one of several)



Proposal for NJ (alternative #4 of 4)



**Preliminary SPCS2022  
default design:  
New Jersey Zone  
(alternative 4)**

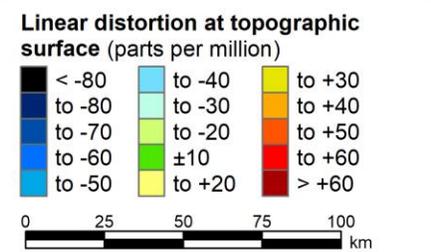


**Transverse Mercator projection**  
North American Terrestrial Reference Frame of 2022  
**Central meridian: 74° 30' W**  
**Cen merid scale: 0.999 99 (exact)**

**Areas within ±20 ppm distortion  
(1:50,000 = ±0.11 ft per mile):**  
88% of population  
77% of all cities and towns  
71% of entire zone area

**Distortion values (ppm)**

Entire zone:	Cities and towns:
Min = -85	Min, Max = -66, +88
Max = +97	Range = 155
Range = 182	Mean = +2
Mean = -2	(weighted by population)



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