

## **NGA-East Final Report**

### **Correction to Appendix I; Tables I-6, I-7, and I-9**

The TI Team of the project has corrected some numbers in Tables I-6, I-7, and I-9 of Appendix I of the report. These Tables are re-produced below, and the changed numbers are marked in Yellow. Please use these updated Tables. All other parts of the report are not changed.

Table I-6: Demonstration Calculation Results for Chattanooga Site

Ground Motion Measure	Peak or Spectral Acceleration (g)	Annual Frequency of Exceedance			
		Mean	16 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	84 <sup>th</sup> Percentile
PGA	0.001	6.55E-02	5.13E-02	6.92E-02	8.71E-02
	0.002	4.07E-02	3.02E-02	4.27E-02	5.75E-02
	0.003	2.98E-02	2.09E-02	3.09E-02	4.27E-02
	0.005	1.96E-02	1.32E-02	2.04E-02	2.95E-02
	0.01	1.07E-02	6.46E-03	1.12E-02	1.70E-02
	0.02	5.38E-03	2.40E-03	5.13E-03	9.12E-03
	0.03	3.42E-03	1.20E-03	2.95E-03	6.03E-03
	0.05	1.79E-03	4.90E-04	1.35E-03	3.16E-03
	0.1	6.32E-04	1.59E-04	4.17E-04	1.07E-03
	0.2	2.01E-04	4.79E-05	1.26E-04	3.63E-04
	0.3	1.01E-04	2.24E-05	6.17E-05	1.86E-04
	0.5	4.09E-05	6.92E-06	2.40E-05	7.41E-05
	1	9.80E-06	8.71E-07	4.79E-06	1.78E-05
	2	1.61E-06	5.37E-08	5.37E-07	2.82E-06
10 Hz PSA	0.001	9.09E-02	7.76E-02	9.55E-02	1.12E-01
	0.002	6.38E-02	5.13E-02	6.76E-02	8.32E-02
	0.003	4.89E-02	3.80E-02	5.13E-02	6.61E-02
	0.005	3.35E-02	2.46E-02	3.55E-02	4.79E-02
	0.01	1.92E-02	1.29E-02	2.00E-02	2.88E-02
	0.02	1.03E-02	6.31E-03	1.07E-02	1.62E-02
	0.03	6.87E-03	3.63E-03	6.92E-03	1.12E-02
	0.05	3.87E-03	1.51E-03	3.55E-03	6.61E-03
	0.1	1.52E-03	4.47E-04	1.18E-03	2.63E-03
	0.2	4.99E-04	1.38E-04	3.47E-04	8.51E-04
	0.3	2.50E-04	6.76E-05	1.66E-04	4.47E-04
	0.5	1.03E-04	2.63E-05	6.61E-05	1.86E-04
	1	2.76E-05	5.50E-06	1.66E-05	5.01E-05
	2	5.65E-06	6.61E-07	2.95E-06	1.02E-05
1 Hz PSA	0.001	5.02E-02	3.63E-02	5.01E-02	7.08E-02
	0.002	2.88E-02	2.00E-02	2.88E-02	4.27E-02
	0.003	2.02E-02	1.35E-02	2.04E-02	3.09E-02
	0.005	1.27E-02	7.76E-03	1.29E-02	2.00E-02
	0.01	6.72E-03	3.31E-03	6.61E-03	1.10E-02
	0.02	3.37E-03	9.77E-04	3.02E-03	6.03E-03
	0.03	2.11E-03	3.80E-04	1.59E-03	4.17E-03
	0.05	1.04E-03	1.05E-04	5.25E-04	2.19E-03

	0.1	2.93E-04	1.62E-05	8.51E-05	5.13E-04
	0.2	5.27E-05	2.29E-06	1.29E-05	7.24E-05
	0.3	1.65E-05	6.46E-07	4.17E-06	2.34E-05
	0.5	3.67E-06	9.77E-08	8.71E-07	5.50E-06
	1	4.53E-07	4.27E-09	6.92E-08	6.46E-07
	2	4.47E-08	7.76E-11	2.95E-09	4.90E-08

Table I-7: Demonstration Calculation Results for Topeka Site

Ground Motion Measure	Peak or Spectral Acceleration (g)	Annual Frequency of Exceedance			
		Mean	16 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	84 <sup>th</sup> Percentile
PGA	0.001	2.82E-02	1.82E-02	2.63E-02	3.55E-02
	0.002	1.61E-02	1.07E-02	1.51E-02	2.09E-02
	0.003	1.14E-02	7.76E-03	1.15E-02	1.62E-02
	0.005	7.35E-03	4.47E-03	7.94E-03	1.18E-02
	0.01	3.81E-03	1.59E-03	3.72E-03	6.92E-03
	0.02	1.69E-03	4.90E-04	1.23E-03	3.24E-03
	0.03	9.37E-04	2.46E-04	6.03E-04	1.66E-03
	0.05	3.97E-04	1.05E-04	2.51E-04	6.31E-04
	0.1	1.16E-04	3.31E-05	8.13E-05	1.86E-04
	0.2	3.72E-05	9.55E-06	2.75E-05	6.31E-05
	0.3	1.94E-05	4.07E-06	1.38E-05	3.39E-05
	0.5	8.01E-06	1.18E-06	5.01E-06	1.45E-05
	1	1.94E-06	1.35E-07	9.33E-07	3.63E-06
	2	3.21E-07	7.76E-09	9.77E-08	5.89E-07
10 Hz PSA	0.001	4.11E-02	3.02E-02	4.07E-02	5.13E-02
	0.002	2.52E-02	1.66E-02	2.40E-02	3.16E-02
	0.003	1.84E-02	1.20E-02	1.74E-02	2.29E-02
	0.005	1.21E-02	8.32E-03	1.20E-02	1.62E-02
	0.01	6.57E-03	3.89E-03	7.24E-03	1.10E-02
	0.02	3.19E-03	1.32E-03	3.02E-03	6.03E-03
	0.03	1.91E-03	6.92E-04	1.55E-03	3.55E-03
	0.05	8.88E-04	3.02E-04	6.61E-04	1.51E-03
	0.1	2.78E-04	9.33E-05	2.14E-04	4.47E-04
	0.2	8.90E-05	2.82E-05	6.92E-05	1.48E-04
	0.3	4.65E-05	1.35E-05	3.55E-05	7.76E-05
	0.5	1.99E-05	4.79E-06	1.45E-05	3.39E-05
	1	5.42E-06	8.91E-07	3.55E-06	9.55E-06
	2	1.11E-06	9.55E-08	5.75E-07	2.04E-06
1 Hz PSA	0.001	2.49E-02	1.51E-02	2.24E-02	3.47E-02

	0.002	1.38E-02	8.13E-03	1.26E-02	2.00E-02
	0.003	9.69E-03	5.37E-03	9.12E-03	1.41E-02
	0.005	6.19E-03	3.09E-03	5.89E-03	9.55E-03
	0.01	3.34E-03	1.07E-03	3.02E-03	5.75E-03
	0.02	1.62E-03	2.09E-04	1.10E-03	3.24E-03
	0.03	9.56E-04	7.08E-05	4.27E-04	2.00E-03
	0.05	4.08E-04	1.74E-05	1.02E-04	7.76E-04
	0.1	8.45E-05	2.51E-06	1.41E-05	1.07E-04
	0.2	1.10E-05	3.02E-07	2.09E-06	1.23E-05
	0.3	3.09E-06	7.08E-08	6.46E-07	3.89E-06
	0.5	6.49E-07	8.71E-09	1.20E-07	9.33E-07
	1	8.10E-08	2.75E-10	8.13E-09	1.10E-07
	2	8.22E-09	3.63E-12	2.95E-10	7.76E-09

Table I-9: Demonstration Calculation Results for Jackson Site

Ground Motion Measure	Peak or Spectral Acceleration (g)	Annual Frequency of Exceedance			
		Mean	16 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	84 <sup>th</sup> Percentile
PGA	0.001	3.23E-02	2.14E-02	3.09E-02	4.27E-02
	0.002	1.81E-02	1.10E-02	1.74E-02	2.51E-02
	0.003	1.25E-02	7.41E-03	1.18E-02	1.78E-02
	0.005	7.88E-03	4.47E-03	7.41E-03	1.15E-02
	0.01	4.29E-03	2.09E-03	4.07E-03	6.76E-03
	0.02	2.27E-03	6.31E-04	1.95E-03	4.17E-03
	0.03	1.46E-03	2.51E-04	9.55E-04	2.95E-03
	0.05	7.29E-04	7.59E-05	3.02E-04	1.48E-03
	0.1	1.98E-04	1.70E-05	5.50E-05	2.88E-04
	0.2	3.56E-05	3.98E-06	1.32E-05	4.07E-05
	0.3	1.22E-05	1.62E-06	6.03E-06	1.62E-05
	0.5	3.59E-06	4.47E-07	2.09E-06	5.89E-06
	1	7.55E-07	5.13E-08	3.89E-07	1.45E-06
	2	1.26E-07	3.02E-09	4.27E-08	2.51E-07
10 Hz PSA	0.001	4.81E-02	3.55E-02	4.68E-02	6.03E-02
	0.002	3.02E-02	2.04E-02	2.88E-02	3.89E-02
	0.003	2.18E-02	1.41E-02	2.09E-02	2.88E-02
	0.005	1.40E-02	8.71E-03	1.35E-02	1.91E-02
	0.01	7.56E-03	4.37E-03	7.08E-03	1.07E-02
	0.02	4.10E-03	2.00E-03	3.89E-03	6.46E-03
	0.03	2.80E-03	1.02E-03	2.57E-03	4.79E-03
	0.05	1.60E-03	3.39E-04	1.18E-03	3.09E-03

	0.1	5.76E-04	6.76E-05	2.46E-04	1.12E-03
	0.2	1.32E-04	1.48E-05	4.47E-05	1.91E-04
	0.3	4.67E-05	6.31E-06	1.86E-05	6.03E-05
	0.5	1.23E-05	2.04E-06	6.76E-06	1.70E-05
	1	2.35E-06	3.47E-07	1.55E-06	3.98E-06
	2	4.53E-07	3.80E-08	2.63E-07	8.51E-07
1 Hz PSA	0.001	2.62E-02	1.59E-02	2.40E-02	3.72E-02
	0.002	1.42E-02	7.94E-03	1.29E-02	2.09E-02
	0.003	9.77E-03	5.25E-03	8.91E-03	1.48E-02
	0.005	6.20E-03	3.16E-03	5.75E-03	9.55E-03
	0.01	3.53E-03	1.41E-03	3.24E-03	5.75E-03
	0.02	2.03E-03	3.98E-04	1.62E-03	3.72E-03
	0.03	1.37E-03	1.35E-04	8.71E-04	2.75E-03
	0.05	7.31E-04	2.63E-05	2.69E-04	1.51E-03
	0.1	2.10E-04	2.63E-06	2.88E-05	3.47E-04
	0.2	3.41E-05	2.88E-07	2.46E-06	3.47E-05
	0.3	9.11E-06	7.24E-08	6.31E-07	7.24E-06
	0.5	1.46E-06	1.02E-08	1.15E-07	1.07E-06
	1	1.04E-07	4.37E-10	8.13E-09	9.12E-08
	2	6.88E-09	8.51E-12	3.63E-10	6.31E-09