

Texas Department of Housing and Community Affairs
Example 2019 SHTF Regional Allocation Formula

Table 1 - Raw Data

	Region	Individuals at or Below 200% Poverty	HH at or Below 200% Poverty	Cost-Burdened Owners	Cost-Burdened Renters	Over-crowded Owners	Over-crowded Renters	Total Units Lacking Plumbing	Total Units Lacking Kitchen	Vacant Units For Sale	Vacant Units For Rent	Land Area	Total Population	Inverse Population Density
MSA Counties with Urban Places	1	202,603	71,339	15,909	37,697	2,979	4,207	3,652	7,223	1,825	7,602	2,716	545,168	0.005
	2	103,106	36,305	7,626	17,976	1,067	1,492	4,700	5,746	1,678	4,373	2,472	287,326	0.009
	3	2,301,829	810,503	265,443	443,579	39,247	76,356	27,166	56,854	18,111	78,072	9,603	7,018,464	0.001
	4	187,699	66,091	15,077	27,968	3,148	2,662	5,928	7,950	2,605	5,771	2,663	476,806	0.006
	5	139,863	49,248	11,207	20,497	2,116	1,673	6,777	6,215	1,698	4,739	2,101	392,368	0.005
	6	2,194,388	772,672	229,351	400,064	40,675	70,609	37,129	55,387	19,968	76,386	7,612	6,453,485	0.001
	7	529,552	186,462	76,234	136,749	8,139	18,840	5,447	10,643	5,797	17,291	3,332	1,864,329	0.002
	8	339,161	119,423	26,269	66,956	3,653	5,894	6,845	12,073	3,975	15,281	4,438	880,216	0.005
	9	796,872	280,589	77,418	129,581	12,888	18,785	14,329	22,609	7,171	23,163	4,498	2,217,176	0.002
	10	198,757	69,985	16,097	32,946	3,913	5,613	6,829	10,246	1,865	5,664	2,666	538,091	0.005
	11	886,586	312,178	45,613	66,416	28,697	25,237	20,346	15,599	4,305	12,034	5,823	1,513,125	0.004
	12	127,971	45,060	11,681	20,853	3,294	4,155	4,668	5,886	1,097	3,591	4,235	430,709	0.010
	13	409,531	144,201	29,537	45,218	7,194	8,090	3,342	7,444	3,117	10,306	1,013	833,592	0.001
		Subtotal	8,417,918	2,964,056	827,462	1,446,500	157,010	243,613	147,158	223,875	73,212	264,273	53,171	23,450,855
Non-MSA Counties and Counties with Only Rural Places	1	127,694	44,963	6,256	9,559	2,822	2,704	8,256	11,868	1,405	3,114	36,633	317,381	0.115
	2	99,330	34,975	6,897	8,192	1,372	1,145	10,752	11,627	2,037	2,942	24,831	262,672	0.095
	3	95,934	33,780	8,357	11,850	1,908	1,580	3,837	5,952	2,363	2,418	5,417	252,265	0.021
	4	259,746	91,460	21,019	23,420	4,661	3,666	12,378	16,395	3,710	5,558	12,756	651,131	0.020
	5	158,920	55,958	9,914	16,542	2,521	2,019	10,442	11,517	2,627	3,406	9,910	379,907	0.026
	6	71,324	25,114	4,802	8,979	1,526	953	4,299	3,783	972	1,675	4,577	197,921	0.023
	7	66,691	23,483	8,441	6,278	1,423	942	3,529	4,976	1,351	1,384	5,105	195,075	0.026
	8	105,582	37,177	8,450	9,064	2,306	1,259	8,119	9,309	2,168	2,144	12,672	282,933	0.045
	9	75,885	26,720	7,251	6,744	2,298	1,634	4,324	4,946	1,504	1,363	6,857	224,932	0.030
	10	96,505	33,981	4,850	9,534	2,783	2,283	7,552	7,455	856	1,929	14,905	249,946	0.060
	11	152,795	53,801	5,883	8,194	4,600	3,207	7,232	6,387	846	2,609	18,214	276,474	0.066
	12	62,243	21,917	2,999	4,990	1,369	1,077	5,517	6,327	943	998	35,496	190,650	0.186
	13	11,953	4,209	524	1,018	284	170	1,070	1,359	295	431	20,687	24,293	0.852
		Subtotal	1,384,602	487,536	95,643	124,364	29,873	22,639	87,307	101,901	21,077	29,971	208,060	3,505,580
	Total	9,802,520	3,451,592	923,105	1,570,864	186,883	266,252	234,465	325,776	94,289	294,244	261,232	26,956,435	1.621

Texas Average HH Size: 2.84

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Table 2 - Weights

	Region	Total Need Variables	% of Total Need Variables	Weighted	Total Availability Variables	% of Total Availability Variables	Weighted	Regional Coverage Factor	% of Total Regional Coverage Factor	Weighted	Final Subregion Allocation	% of Total Award
MSA Counties with Urban Places	1	143,006	2.1%	\$ 61,650	9,427	2.4%	\$ (14,558)	0.005	0.3%	\$ 1,844	\$ 48,936	1.63%
	2	74,912	1.1%	\$ 32,295	6,051	1.6%	\$ (9,344)	0.009	0.5%	\$ 3,185	\$ 26,135	0.87%
	3	1,719,148	24.7%	\$ 741,125	96,183	24.8%	\$ (148,533)	0.001	0.1%	\$ 507	\$ 593,099	19.77%
	4	128,824	1.9%	\$ 55,536	8,376	2.2%	\$ (12,935)	0.006	0.3%	\$ 2,067	\$ 44,669	1.49%
	5	97,733	1.4%	\$ 42,133	6,437	1.7%	\$ (9,940)	0.005	0.3%	\$ 1,982	\$ 34,174	1.14%
	6	1,605,887	23.1%	\$ 692,298	96,354	24.8%	\$ (148,797)	0.001	0.1%	\$ 437	\$ 543,938	18.13%
	7	442,514	6.4%	\$ 190,768	23,088	5.9%	\$ (35,654)	0.002	0.1%	\$ 662	\$ 155,775	5.19%
	8	241,113	3.5%	\$ 103,944	19,256	5.0%	\$ (29,736)	0.005	0.3%	\$ 1,867	\$ 76,074	2.54%
	9	556,199	8.0%	\$ 239,777	30,334	7.8%	\$ (46,844)	0.002	0.1%	\$ 751	\$ 193,685	6.46%
	10	145,629	2.1%	\$ 62,781	7,529	1.9%	\$ (11,627)	0.005	0.3%	\$ 1,834	\$ 52,988	1.77%
	11	514,086	7.4%	\$ 221,623	16,339	4.2%	\$ (25,232)	0.004	0.2%	\$ 1,425	\$ 197,816	6.59%
	12	95,597	1.4%	\$ 41,212	4,688	1.2%	\$ (7,240)	0.010	0.6%	\$ 3,640	\$ 37,612	1.25%
	13	245,026	3.5%	\$ 105,631	13,423	3.5%	\$ (20,729)	0.001	0.1%	\$ 450	\$ 85,352	2.85%
	Subtotal	6,009,674	86.4%	\$ 2,590,772	337,485	86.9%	\$ (521,168)	0.056	3.4%	\$ 20,650	\$ 2,090,254	69.68%
Non-MSA Counties and Counties with Only Rural Places	1	86,428	1.2%	\$ 37,259	4,519	1.2%	\$ (6,979)	0.115	7.1%	\$ 42,730	\$ 73,010	2.43%
	2	74,960	1.1%	\$ 32,315	4,979	1.3%	\$ (7,689)	0.095	5.8%	\$ 34,996	\$ 59,623	1.99%
	3	67,264	1.0%	\$ 28,997	4,781	1.2%	\$ (7,383)	0.021	1.3%	\$ 7,950	\$ 29,564	0.99%
	4	172,999	2.5%	\$ 74,580	9,268	2.4%	\$ (14,312)	0.020	1.2%	\$ 7,253	\$ 67,520	2.25%
	5	108,913	1.6%	\$ 46,952	6,033	1.6%	\$ (9,317)	0.026	1.6%	\$ 9,657	\$ 47,292	1.58%
	6	49,456	0.7%	\$ 21,321	2,647	0.7%	\$ (4,088)	0.023	1.4%	\$ 8,562	\$ 25,795	0.86%
	7	49,072	0.7%	\$ 21,155	2,735	0.7%	\$ (4,224)	0.026	1.6%	\$ 9,688	\$ 26,619	0.89%
	8	75,684	1.1%	\$ 32,627	4,312	1.1%	\$ (6,659)	0.045	2.8%	\$ 16,581	\$ 42,549	1.42%
	9	53,917	0.8%	\$ 23,244	2,867	0.7%	\$ (4,427)	0.030	1.9%	\$ 11,285	\$ 30,102	1.00%
	10	68,438	1.0%	\$ 29,503	2,785	0.7%	\$ (4,301)	0.060	3.7%	\$ 22,076	\$ 47,279	1.58%
	11	89,304	1.3%	\$ 38,499	3,455	0.9%	\$ (5,335)	0.066	4.1%	\$ 24,389	\$ 57,553	1.92%
	12	44,196	0.6%	\$ 19,053	1,941	0.5%	\$ (2,997)	0.186	11.5%	\$ 68,926	\$ 84,982	2.83%
	13	8,634	0.1%	\$ 3,722	726	0.2%	\$ (1,121)	0.852	52.5%	\$ 315,258	\$ 317,858	10.60%
	Subtotal	949,263	13.6%	\$ 409,228	51,048	13.1%	\$ (78,832)	1.565	96.6%	\$ 579,350	\$ 909,746	30.32%
	Total	6,958,937	100%	\$ 3,000,000	388,533	100%	\$ (600,000)	1.621	200.0%	\$ 600,000	\$ 3,000,000	100.00%

Total Sample Allocation: \$3,000,000

Weight of Need Variables: 100%

Weight of Availability Variables: -20%

Weight of Regional Coverage Factor: 20%