

Attachment C: Texas Department of Housing and Community Affairs
Example 2023 HTF 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	200,076	70,698	16,530	40,872	2,293	4,822	4,878	7,447	1,718	9,014	2,716	562,720	0.005
	2	96,285	34,023	7,007	17,684	918	1,312	5,238	5,426	1,261	3,995	2,472	289,549	0.009
	3	2,119,825	749,055	264,020	474,536	42,816	76,931	26,722	57,147	17,973	88,922	9,603	7,585,385	0.001
	4	192,974	68,189	15,804	27,450	3,018	3,241	11,103	8,634	1,968	5,972	3,563	555,372	0.006
	5	129,765	45,853	9,626	19,930	1,754	1,906	7,460	9,480	1,557	2,986	2,101	394,268	0.005
	6	2,157,770	762,463	228,432	437,313	41,594	79,317	34,848	56,047	20,603	88,980	7,612	6,949,721	0.001
	7	505,616	178,663	81,821	148,243	9,557	20,320	6,071	12,862	5,336	20,735	4,220	2,173,804	0.002
	8	337,272	119,177	26,941	70,821	4,377	6,998	6,559	9,432	3,222	12,165	4,438	932,843	0.005
	9	786,541	277,930	78,675	139,385	12,465	19,626	12,602	20,543	6,610	24,466	4,498	2,387,137	0.002
	10	185,356	65,497	14,867	31,935	3,541	4,517	6,726	9,763	1,781	6,396	2,414	521,164	0.005
	11	833,753	294,612	43,372	68,571	28,155	24,044	18,331	15,125	4,341	13,719	5,823	1,558,119	0.004
	12	125,499	44,346	12,068	21,956	3,203	4,772	4,712	5,444	1,518	4,219	4,235	457,626	0.009
	13	374,261	132,248	30,720	47,288	6,840	8,937	3,847	6,295	2,850	11,116	1,013	836,915	0.001
		Subtotal	8,044,993	2,842,754	829,883	1,545,984	160,531	256,743	149,097	223,645	70,738	292,685	54,708	25,204,623
Non-MSA Counties and Counties with Only Rural Places	1	115,922	40,962	6,010	9,389	2,312	1,927	10,859	13,471	1,306	3,076	36,633	307,374	0.119
	2	90,726	32,059	6,907	7,636	1,879	825	12,031	11,818	1,752	2,258	24,831	260,521	0.095
	3	81,384	28,758	8,663	10,997	1,914	1,453	4,538	6,116	1,392	1,902	5,417	264,950	0.020
	4	217,277	76,776	17,522	20,746	4,543	3,281	12,536	15,438	2,483	4,782	11,856	594,991	0.020
	5	154,845	54,716	9,326	18,315	3,849	2,560	13,076	11,824	1,965	3,054	9,910	383,426	0.026
	6	70,952	25,071	4,854	10,853	1,581	1,340	4,853	4,956	1,019	1,673	4,577	202,007	0.023
	7	36,063	12,743	4,802	3,595	1,019	518	2,595	3,108	620	460	4,217	123,154	0.034
	8	97,826	34,567	7,628	9,304	2,917	1,215	8,762	9,658	1,551	1,853	12,672	289,745	0.044
	9	72,450	25,601	6,425	6,674	2,567	1,843	4,303	4,459	1,378	1,503	6,857	237,497	0.029
	10	102,601	36,255	5,183	9,999	2,606	2,179	10,166	8,975	1,124	2,571	15,157	271,936	0.056
	11	147,673	52,181	4,993	9,708	3,679	3,709	7,711	7,085	844	2,171	18,214	277,656	0.066
	12	64,643	22,842	3,566	5,158	1,544	806	5,434	6,182	742	1,352	35,496	192,408	0.184
	13	12,234	4,323	376	1,377	170	246	1,681	1,536	154	408	20,687	25,154	0.822
		Subtotal	1,264,596	446,854	86,255	123,751	30,580	21,902	98,545	104,626	16,330	27,063	206,524	3,430,819
	Total	9,309,589	3,289,607	916,138	1,669,735	191,111	278,645	247,642	328,271	87,068	319,748	261,232	28,635,442	1.593

Texas Average HH Size: 2.83

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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	147,540	2.1%	\$ 63,952	10,732	2.6%	\$ (15,828)	0.005	0.3%	\$ 1,817	\$ 49,941	1.66%
	2	71,608	1.0%	\$ 31,039	5,256	1.3%	\$ (7,752)	0.009	0.5%	\$ 3,215	\$ 26,502	0.88%
	3	1,691,227	24.4%	\$ 733,069	106,895	26.3%	\$ (157,656)	0.001	0.1%	\$ 477	\$ 575,890	19.20%
	4	137,439	2.0%	\$ 59,573	7,940	2.0%	\$ (11,710)	0.006	0.4%	\$ 2,416	\$ 50,279	1.68%
	5	96,009	1.4%	\$ 41,616	4,543	1.1%	\$ (6,700)	0.005	0.3%	\$ 2,006	\$ 36,922	1.23%
	6	1,640,014	23.7%	\$ 710,871	109,583	26.9%	\$ (161,620)	0.001	0.1%	\$ 412	\$ 549,663	18.32%
	7	457,537	6.6%	\$ 198,321	26,071	6.4%	\$ (38,451)	0.002	0.1%	\$ 731	\$ 160,601	5.35%
	8	244,305	3.5%	\$ 105,895	15,387	3.8%	\$ (22,694)	0.005	0.3%	\$ 1,792	\$ 84,993	2.83%
	9	561,226	8.1%	\$ 243,266	31,076	7.6%	\$ (45,833)	0.002	0.1%	\$ 710	\$ 198,142	6.60%
	10	136,846	2.0%	\$ 59,316	8,177	2.0%	\$ (12,060)	0.005	0.3%	\$ 1,744	\$ 49,001	1.63%
	11	492,210	7.1%	\$ 213,351	18,060	4.4%	\$ (26,636)	0.004	0.2%	\$ 1,407	\$ 188,122	6.27%
	12	96,501	1.4%	\$ 41,829	5,737	1.4%	\$ (8,461)	0.009	0.6%	\$ 3,485	\$ 36,852	1.23%
	13	236,175	3.4%	\$ 102,371	13,966	3.4%	\$ (20,598)	0.001	0.1%	\$ 456	\$ 82,229	2.74%
		Subtotal	6,008,637	86.8%	\$ 2,604,468	363,423	89.3%	\$ (536,001)	0.055	3.4%	\$ 20,667	\$ 2,089,134
Non-MSA Counties and Counties with Only Rural Places	1	84,930	1.2%	\$ 36,813	4,382	1.1%	\$ (6,463)	0.119	7.5%	\$ 44,879	\$ 75,229	2.51%
	2	73,155	1.1%	\$ 31,709	4,010	1.0%	\$ (5,914)	0.095	6.0%	\$ 35,891	\$ 61,686	2.06%
	3	62,439	0.9%	\$ 27,064	3,294	0.8%	\$ (4,858)	0.020	1.3%	\$ 7,699	\$ 29,905	1.00%
	4	150,842	2.2%	\$ 65,383	7,265	1.8%	\$ (10,715)	0.020	1.3%	\$ 7,504	\$ 62,172	2.07%
	5	113,666	1.6%	\$ 49,269	5,019	1.2%	\$ (7,402)	0.026	1.6%	\$ 9,733	\$ 51,599	1.72%
	6	53,508	0.8%	\$ 23,193	2,692	0.7%	\$ (3,970)	0.023	1.4%	\$ 8,533	\$ 27,756	0.93%
	7	28,380	0.4%	\$ 12,301	1,080	0.3%	\$ (1,593)	0.034	2.1%	\$ 12,893	\$ 23,602	0.79%
	8	74,051	1.1%	\$ 32,098	3,404	0.8%	\$ (5,020)	0.044	2.7%	\$ 16,469	\$ 43,547	1.45%
	9	51,872	0.7%	\$ 22,484	2,881	0.7%	\$ (4,249)	0.029	1.8%	\$ 10,872	\$ 29,107	0.97%
	10	75,363	1.1%	\$ 32,666	3,695	0.9%	\$ (5,450)	0.056	3.5%	\$ 20,989	\$ 48,205	1.61%
	11	89,066	1.3%	\$ 38,606	3,015	0.7%	\$ (4,447)	0.066	4.1%	\$ 24,703	\$ 58,862	1.96%
	12	45,532	0.7%	\$ 19,736	2,094	0.5%	\$ (3,088)	0.184	11.6%	\$ 69,470	\$ 86,118	2.87%
	13	9,709	0.1%	\$ 4,208	562	0.1%	\$ (829)	0.822	51.6%	\$ 309,698	\$ 313,077	10.44%
		Subtotal	912,513	13.2%	\$ 395,532	43,393	10.7%	\$ (63,999)	1.538	96.6%	\$ 579,333	\$ 910,866
	Total	6,921,149	100%	\$ 3,000,000	406,816	100%	\$ (600,000)	1.593	100.0%	\$ 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%

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	2023	2023	Difference	2022	2022
1	\$ 125,170.19	4.2%	0.0%	\$ 124,577.81	4.2%
2	\$ 88,187.89	2.9%	0.0%	\$ 87,695.44	2.9%
3	\$ 605,795.09	20.2%	-0.3%	\$ 613,459.32	20.4%
4	\$ 112,450.52	3.7%	-0.1%	\$ 114,073.09	3.8%
5	\$ 88,520.49	3.0%	0.1%	\$ 85,788.22	2.9%
6	\$ 577,418.44	19.2%	0.0%	\$ 576,074.57	19.2%
7	\$ 184,202.48	6.1%	0.1%	\$ 181,001.76	6.0%
8	\$ 128,539.77	4.3%	0.0%	\$ 128,684.54	4.3%
9	\$ 227,248.96	7.6%	0.1%	\$ 223,537.34	7.5%
10	\$ 97,206.12	3.2%	0.0%	\$ 98,552.65	3.3%
11	\$ 246,984.09	8.2%	-0.1%	\$ 250,441.53	8.3%
12	\$ 122,969.93	4.1%	0.0%	\$ 122,926.71	4.1%
13	\$ 395,306.02	13.2%	0.1%	\$ 393,187.01	13.1%
Total	\$ 3,000,000.00	100.0%	0.0%	\$ 3,000,000.00	100.0%