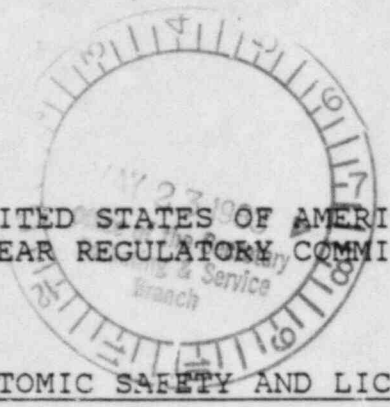
May 20, 1983



UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	)	
	)	
UNION ELECTRIC COMPANY	)	Docket No. STN 50-483 OL
	)	
(Callaway Plant Unit 1)	)	

APPLICANT'S MOTION FOR SUMMARY DISPOSITION OF REED CONTENTION 14 (INCORPORATED CITIES, TOWNS AND VILLAGES)

Pursuant to 10 C.F.R. § 2.749, Applicant moves the Atomic Safety and Licensing Board for summary disposition of Reed Contention 14. As grounds for its motion, Applicant asserts that there is no genuine issue of material fact to be heard with respect to Contention 14, and that Applicant is entitled to a decision in its favor on that contention as a matter of law.

This motion is supported by Applicant's Statement of Material Facts as to Which There is No Genuine Issue to be Heard (Contention 14), Applicant's Memorandum of Law in Support of Motions for Summary Disposition on Emergency Planning

Issues, the Callaway County/Fulton Radiological Emergency Response Plan, the Osage County Radiological Emergency Response Plan, the Gasconade County Radiological Emergency Response Plan, and the Montgomery County Radiological Emergency Response Plan, together with all pleadings and other papers in this proceeding.

I. Procedural Background

Reed Contention 14, entitled "Incorporated Cities, Towns and Villages," states as follows:

> Incorporated cities/towns/villages (identified in 13.B, above) are not included in the response effort. Neither the proposed Offsite plan or the SOPs of the respective counties, impacted by the plant, contains information concerning alerting and notification of said cities/towns/villages (hereafter called towns), communications available for town use in a radiological emergency, transportation of residents, to include non-ambulatory individuals, or methods and means for their determination of the need for and/or inplementation of radiological exposure controls as mandated by NUREG 0654, II, A2a nor is the legal basis for their exclusion from said plan and SOPs specified as required by NUREG 0654, II, A2b. The protection (to include evacuation) of citizens within the towns is the legal responsibility of the mayors and town councils of said towns. Assurance of the complete evacuation of the citizens in these towns is most rapidly performed by the mayors or members of the councils. If shelter is to be selected in lieu of evacuation, the assurance that proper protective measures have been implemented by all citizens is again best performed by the mayors or members of the councils. Since the town governments are responsible for the safety of their citizens in the same manner that county courts are

> responsible for the safety of citizens in the unincorporated portions of their counties, failure to include emergency plans for the towns can result in delay in protective response. The use of local responses (included manpower) within said towns is essential if public health and safety is to be assured. Such resources are under the control of town governments.

Final Particularization of Reed's Amended Contentions 1, 2 and 3 (Oct. 1, 1982), at 35-36. The referenced incorporated cities, towns and villages from Contention 13.B are Mokane (in Callaway County), Chamois (in Osage County), Morrison and Gasconade (in Gasconade County), and Rhineland (in Montgomery County). Id. at 35. The Board admitted Reed Contention 14 over the Staff's objections. Memorandum and Order (Specification of Contentions), at 5 (Dec. 7, 1982).

II. Governing Legal Standards

The Commission's regulations governing the content of applications provide that an operating license applicant ". . . shall submit radiological emergency response plans of State and local governmental entities in the United States that are wholly or partially within the plume exposure pathway Emergency Planning Zone (EPZ), as well as the plans of State governments wholly or partially within the ingestion pathway EPZ." 10 C.F.R. § 50.33(g) (footnotes omitted). The Commission's regulatory standards for emergency response plans, in 10 C.F.R. § 50.47(b), address "State and local response organizations"

within the EPZ, "State and local staff," and "principal response organizations."

The planning standards and evaluation criteria provided by NRC and the Federal Emergency Management Agency ("FEMA")1/ on Assignment of Responsibility (Organizational Control (II.A)), begin as follows:

> 1.a. Each plan shall identify the State, local, Federal and private sector organizations (including utilities), that are intended to be part of the overall response organization for Emergency Planning Zones. (See Appendix 5).
>
> b. Each organization and suborganization having an operational role shall specify its concept of operations, and its relationship to the total effort.

NUREG-0654 at 31. The remainder of the II.A criteria, including those cited in Reed Contention 14, build on and apply to these identified organizations which are intended to have an operational role.

The NRC/FEMA definitions of "principal organizations" and "suborganizations" address those which have some role (major, lead or supportive) in emergency planning or preparedness.

1/ NUREG-0654, FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants." This document presents guidance for emergency plan review and approval. See Metropolitan Edison Company (Three Mile Island Nuclear Station, Unit No. 1), LBP-81-59, 14 N.R.C. 1211, 1460 (1981), aff'd, ALAB-698, 16 N.R.C. ___, slip op. at 13-15 (Oct. 22, 1982).

NUREG-0654 at 5-1. The guidance observes that the assignment of roles, function and responsibilities ". . . is a matter that is best defined by the various parties involved in developing plans and preparedness for each nuclear site. Where the guidance in this document indicates a function that must be performed, emergency planners at all levels, must decide and agree among themselves, which organization is to perform such function." Id. at 5-2.

III. Argument

Since Reed Contention 14 was admitted, the plume exposure EPZ boundary has been modified and Gasconade (in Gasconade County) is no longer within the EPZ. See Attachment 1 hereto. The population of the remaining four incorporated cities/towns/villages which are the subject of this contention2/ is as follows:

Mokane	293
Chamois	546
Morrison	169
Rhineland	172

See Attachment 2 hereto (excerpt from 1980 Census).

Applicant admits and agrees with the first sentence of Reed Contention 14 -- i.e., that the above listed municipalities are not included in the response effort. This is not to

---

2/ The City of Fulton has a joint response plan with Callaway County.

say that the residents of those municipalities are not provided for in the off-site plans. In fact, those residents are a part of the plume exposure EPZ for the Callaway Plant, and their health and safety in a radiological emergency are provided for in the off-site plans, without distinction, in the same manner as are all other county residents of the EPZ.

The issue raised by Reed Contention 14 is whether or not the governments of these municipalities must be included in the off-site plans as response organizations. The Commission's regulations governing emergency plans do not state that all incorporated municipalities within the EPZ must be assigned the role of a response organization in the required off-site emergency plans. Rather, those regulations address "local response organizations" without specifying that they be county, municipal or township governments, or even that they be governments. See 10 C.F.R. § 50.47(b). Which local response organization is assigned tasks in the off-site plans is irrelevant to the NRC as long as the local emergency plans are adequate, and there is reasonable assurance that they can be implemented and that adequate protective measures can and will be taken in the event of a radiological emergency. See 10 C.F.R. § 50.47(a). The NRC/FEMA guidance, quoted above, extends this point by observing that it is up to the involved emergency planners to decide which organization is to perform a necessary function. See NUREG-0654 at 5-2.

Whether or not there are deficiencies in the emergency response plans for Callaway County/Fulton, Osage County, Gasconade County and Montgomery County presumably is a matter addressed by Mr. Reed's other contentions in this proceeding. Contention 14 does not in itself allege a planning deficiency. Instead, Mr. Reed has concocted a circular argument which asserts that these municipalities have legal responsibility for their citizens, that they can "best" or "most rapidly" perform certain functions, and that use should be made of local resources under the control of town governments.

Even assuming for the moment that each of the three prongs of Mr. Reed's argument is valid, the NRC cannot and should not reallocate local response organization assignments under the local response plans unless it is first determined that some substantive deficiency exists under the current allocation of responsibilities. Absent some deficiency, NRC should defer to the consensus decisions reached by local planners. An intervenor's view that another allocation might be better is irrelevant. Mr. Reed does not contend that the local plans will not work unless these municipal governments are included. During discovery, Applicant posed the following question to Mr. Reed:

> 71. Is Contention 14 based upon your view of the legal "chain of command" within the subject incorporated cities, towns and villages? If the contention is based to any extent on principles of sound emergency planning, specify the function(s) in the

> emergency response plans for the Callaway Plant which can only be performed by the officials of the subject incorporated cities, towns, and villages, and in each case explain why the function cannot be fulfilled by others.3/

Mr. Reed's reply was as follows:

> 71. Sound emergency planning is based upon knowledge of what is to be done, the efficient performance of tasks involved, and an expeditious initiation and completion of protective measures. This is best accomplished by persons "on the scene" who have intimate knowledge of all of the job to be done and potential problems which may interfere with the mission. The Federal government understands this concept as it is manifested in all of its military and civil operations: proficiency at the lowest command echelon, including equipment and personnel. To place responsibility for a particular function on a person who is not immediately available to do that job presents a delay in the accomplishment of that function. While said non-resident person can fulfill the function, it does not make for an effective or efficient operation. It is not sound planning to build in a delay factor in an emergency response effort if it can be avoided.4/

Mr. Reed here concedes that a "non-resident" of the municipality can fulfill the emergency response functions in the off-site plans (even though municipal residents may participate in the response without municipal government involvement), and

---

3/ Applicant's Revised Interrogatories and Requests for Production of Documents of Intervenor John G. Reed, October 20, 1982.

4/ Reed's Response to Memorandum and Order Dated 09 December 1982, December 14, 1982.

does not identify a single example of a function which must be performed by these municipal governments.5/

In any case, each of the three prongs of Mr. Reed's argument in Contention 14 is faulty. Mr. Reed advances no authority for the proposition that as a matter of law the four subject municipal governments must be assigned an operational responsibility in the Callaway Plant off-site plans. He cites NUREG-0654 criterion II.A.2.b as requiring that the legal basis for excluding these municipal governments must be specified. In contrast, that criterion calls for an identification of the authorities for those response organizations included in the plans. Applicant need not present authority to exclude any local government; rather, Mr. Reed must present any legal authority which supports his thesis that they must be included. The guidance in NUREG-0654 is not that authority.6/ Further, this unsupported legal theory flies in the face of political facts. While a municipal government undeniably has some legal responsibilities for its electorate, it does not follow, as Mr.

5/ While the matter is not pivotal to this motion, it is not necessary for government officials to be "on the scene" immediately to implement protective actions for the residents of these towns. The notification and communications actions under the plans are not dependent upon personal appearances by government officials or emergency workers at the residences of the affected population.

6/ The other criterion cited in Contention 14 -- II.A.2.a -- merely requires the presentation of certain information for response organizations included in the plans.

Reed apparently reasons, that all responsibility for the health and welfare of those citizens rests with that level of government alone.

The second argument in Reed Contention 14 is that the mayors and town councils of these municipalities can "best" and "most rapidly" assure that protective actions (i.e., evacuation or sheltering) have been completed. There is no need, however, for government executives or legislators at any level to perform such verification functions. Plans for implementing protective actions for the general public are set forth clearly in the State and local plans. See, e.g., Annex I to local plans. Those plans call for law enforcement/security personnel assigned to patrol duty to insure that protective actions have been undertaken. See id. at TAB 3 and Applicant's Motion for Summary Disposition of Reed Contention 1 (on adequacy of law enforcement personnel resources).

Lastly, Mr. Reed argues that use should be made of local resources under the control of the town governments. In fact, the only such resources identified by Mr. Reed in either the contention or his responses to discovery requests are the persons of the mayors and town councils, who nevertheless are available in their personal capacities to participate in designated response organizations. The following exchange during discovery illustrates the point:

66. Specify the emergency response efforts of the cities listed in Contention 13.B which you believe should be delineated in SOPs.7/

66. All emergency response efforts that apply to counties and the City of Fulton should apply equally to the other incorporated towns that are wholly or partially witnin the 10 mile EPZ. Formal organizations are made up of people, it may be necessary to create such organizations if an effective emergency response effort is to be established.8/

70. What resources, either in equipment or personnel, of the governments of the subject incorporated cities, towns and villages, are required to implement the emergency response plans for the Callaway Plant?9/

70. The use of local personnel is required to effectively evacuate the citizens in and around population centers. The fact that such towns do not have the equipment or formal organizations to commit to the response effort is prime-facae evidence that they need to build a capability to protect their citizens in the event of an accident that involves the release of dangerous radio-nuclides. As towns or villages incorporated under Missouri State statute, they have a right to become involved in the planning effort.10/

In short, there are no resources of the subject four municipal governments which are necessary to implement the

---

7/ Applicant's Revised Interrogatories . . ., supra n.3.

8/ Reed's Response . . ., supra n.4.

9/ Applicant's Revised Interrogatories . . ., supra n.3.

10/ John G. Reed's Responses to Applicant's Revised Interrogatories, November 12, 1982.

off-site emergency response plans. Rather, Mr. Reed has attempted to create an artificial legal requirement for such involvement, which then would lead to the creation and equipping of new municipal government organizations -- all without a demonstrated deficiency in the capability to complete required tasks under existing plans.

In another proceeding, an intervenor claimed, on appeal, that the Licensing Board had erred in not finding that the City of San Juan Capistrano, which includes about one-half of the EPZ population, must be a "principal response organization" that must fulfill detailed emergency planning requirements. The Atomic Safety and Licensing Appeal Board rejected that argument, noting that "[t]he Commission's guidance recognizes that in any emergency planning zone there will be overlapping layers of government, and that these must be integrated into a cohesive emergency response." Southern California Edison Company, et al. (San Onofre Nuclear Generating Station, Units 2 and 3), ALAB-717, 17 N.R.C. ____, slip op. at 60 (March 4, 1983). Observing that the City of San Juan Capistrano does not itself have extensive resources that would be of use in an emergency, but that it has been integrated in the planning effort, the Appeal Board concluded:

> It would be highly unusual for a governmental entity, bereft of extensive resources of its own, to be required to take a lead role in planning the response to a radiological emergency.

Id. at 61. Here, where the municipalities involved have no identified governmental resources and an insignificant portion of the EPZ population, the intervenor's position has even less merit.

IV. Conclusion

For all of the foregoing reasons, there is no genuine issue of material fact to be heard with respect to Contention 14, and Applicant is entitled to a decision in its favor on that contention as a matter of law.

Respectfully submitted,

SHAW, PITTMAN, POTTS & TROWBRIDGE

Thomas A. Baxter

Thomas A. Baxter, P.C.
Jeffrey J.A. Gibbs

Counsel for Applicant

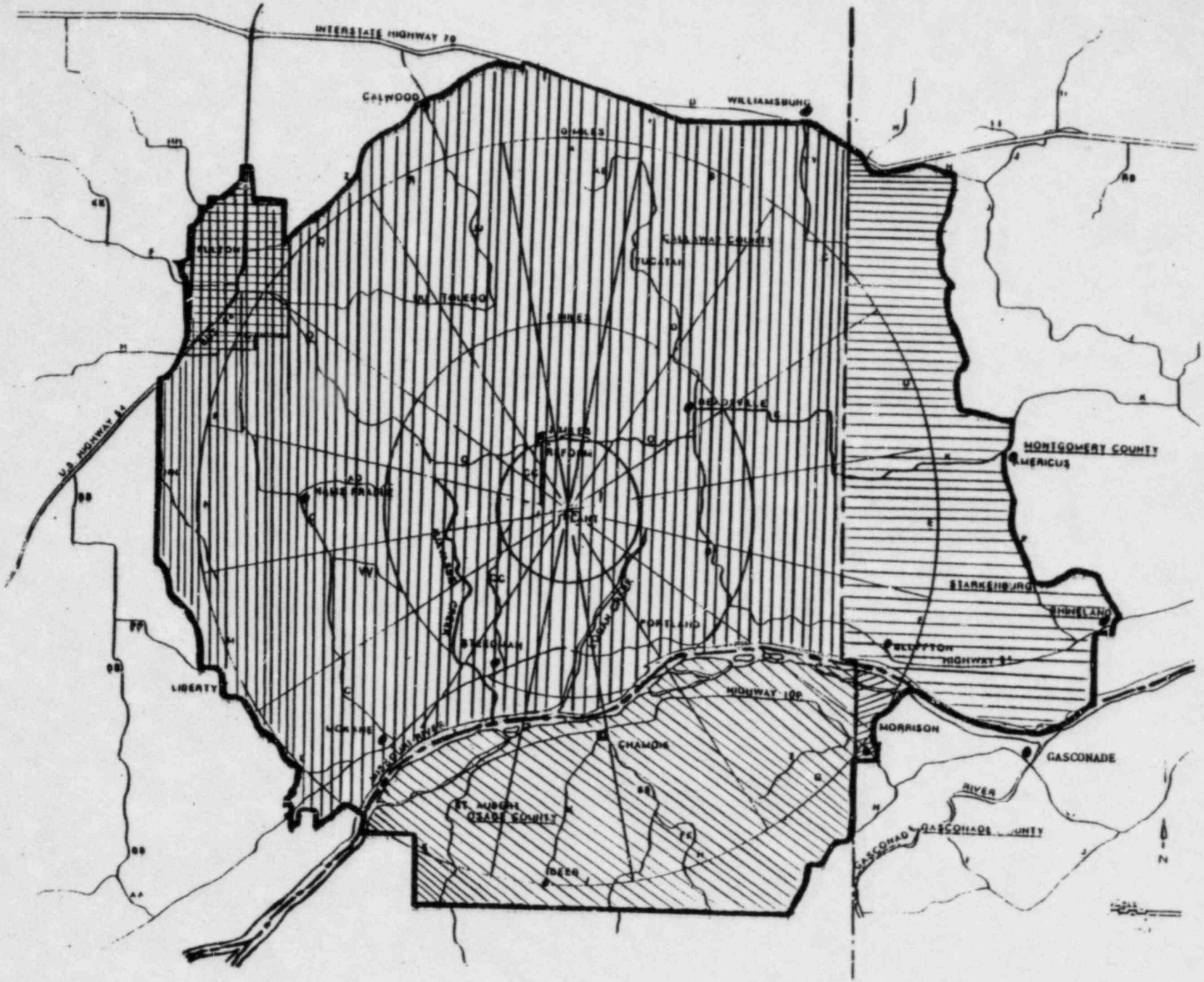
1800 M Street, N.W.
Washington, D.C. 20036

(202) 822-1000

May 20, 1983

ATTACHMENT 1

EMERGENCY PLANNING ZONE (EPZ) BOUNDARY MAP



Callaway County

Montgomery County

Osage County

Gasconade County

County Boundary Line

Fulton

ATTACHMENT 2

PC80-1-A27
Mo.

CHARACTERISTICS OF THE POPULATION

Number of Inhabitants

MISSOURI

1980 Census of Population

U.S. Department of Commerce
BUREAU OF THE CENSUS

1980 Census of Population

VOLUME 1
CHARACTERISTICS OF THE POPULATION

CHAPTER A

Number of Inhabitants

PART 27

MISSOURI

PC80-1-A27

Issued February 1982

U.S. Department of Commerce
Malcolm Baldrige, Secretary
Joseph R. Wright, Jr., Deputy Secretary
Robert G. Dederick, Assistant Secretary for Economic Affairs

BUREAU OF THE CENSUS
Bruce Chapman, Director

Data Index

This index provides a summary listing of the tables in which the particular data are presented. For a listing of the individual tables and their page numbers, see page 1.

Table 5. Population of Places: 1960 to 1980

[For changes in boundaries of incorporated places since 1970, see table 4. For meaning of symbols, see introduction]

Incorporated Places Census Designated Places	Counties	1980	1970	1960
Adrian city	Bates	1 484	1 259	1 087
Advance city	Stoddard	1 054	903	697
Affton (CDP)	St. Louis	23 181	24 764	
Agency town	Buchanan	419	141	240
Airport Drive village	Jasper	702	300	292
Albe city	Jasper	474	365	336
Albany city	Gentry	2 152	1 804	1 662
Aldrich town	Polk	53	66	181
Alexandria city	Clark	417	453	452
Allendale town	Worth	95	104	136
Alma city	Lafayette	665	380	390
Altamont town	Daviess	192	225	190
Altenburg city	Perry	280	277	260
Alton city	Oregon	721	715	677
Amazonia town	Andrew	314	326	326
Amity town	De Kalb	74	86	111
Amoret city	Bates	238	219	261
Amsterdam city	Bates	231	120	118
Anderson city	McDonald	1 237	1 065	992
Annada town	Pike	70	109	105
Annapolis city	Iron	370	330	334
Anniston town	Mississippi	320	515	307
Appleton City city	St. Clair	257	358	1 075
Arbela town	Scotland	61	71	71
Arbyrd city	Dunklin	754	531	667
Arcadia city	[illegible]	683	627	489
Archie city	[illegible]	753	525	548
Arcola city	Dade	136	80	
Argyle town	Total	216	262	99
	Maries (pt. in)	[illegible]	[illegible]	
	Osage (pt. in)	206	262	99
Arkoe town	Nodaway	61	44	16
Armstrong city	Howard	1 861	1 754	1 887
Arnold city	Jefferson	9 4	[illegible]	
Arrow Rock town	Saline	82	76	76
Asbury city	Jasper	1 [illegible]	[illegible]	86
Ashburn city	Pike	84	[illegible]	74
Ash Grove city	Greene	1 557	1 214	986
Ashland city	Boone	2 [illegible]	1 [illegible]	695
Athol city	Macon	44	[illegible]	146
Augusta city	St. Charles	858	951	736
Aullville town	Lafayette	92	78	81
Aurora city	Lawrence	6 [illegible]	[illegible]	4 681
Auxvasse city	Callaway	958	958	934
Ava city	Douglas	2 [illegible]	2 [illegible]	1 [illegible]
Avilla town	Jasper	5	[illegible]	15
Avondale city	Jackson	1 [illegible]	1 [illegible]	661
Bagnell town	Miller	[illegible]	[illegible]	62
Baker village	Stoddard	[illegible]	[illegible]	4
Bakersfield village	Ozark	[illegible]	[illegible]	
Baldwin Park village	Clay	28		
Ballwin city	St. Louis	6 [illegible]	[illegible]	[illegible]
Barnhart city	Knox	[illegible]	[illegible]	213
Barnard city	Nodaway	214	[illegible]	237
Barnett city	Morgan	203	[illegible]	[illegible]
Bates City village	Lafayette	[illegible]	229	[illegible]
Battlefield town	Greene	1 227	[illegible]	[illegible]
Bella Villa city	St. Louis	758	8	776
Bell City city	Stoddard	539	424	434
Belle city	Total	1 233	[illegible]	[illegible]
	Maries (pt. in)	1 099	1 042	1 016
	Osage (pt. in)	134	91	
Bellerrmine Neighbors city	St. Louis	12 382	14 084	13 650
Bellerive village	St. Louis	255	437	314
Bellflower town	Montgomery	403	360	245
Bel-Nor village	St. Louis	2 047	2 247	2 188
Bel-Ridge village	St. Louis	3 682	5 346	4 395
Belton city	Cass	12 708	12 270	4 897
Benton city	Scott	674	660	554
Benton City town	Audrain	155	121	155
Berger city	Franklin	214	226	205
Bertrand city	Mississippi	688	604	465
Bethany city	Harrison	3 095	2 914	2 771
Bethel town	Shelby	132	143	152
Beverly Hills city	St. Louis	712	846	849
Bevier city	Macon	733	806	781
Bigelow village	Holt	67	84	100
Billings city	Christian	911	760	602
Birch Tree city	Shannon	622	573	420
Birmingham village	Clay	240	266	201
Bismarck city	St. Francois	1 625	1 [illegible]	1 237
Blackburn city	Saline	314	296	310
Black Jack city	St. Louis	5 793		
Blackwater city	Cooper	290	249	284
Blairstown city	Henry	144	161	177
Bland city	Total	662	621	654
	Gasconade (pt. in)	662	621	654
	Osage (pt. in)	-	-	-
Bloodgett town	Scott	255	220	203
Bloomfield city	Stoddard	1 795	1 584	1 330
Bloomsdale city	Ste. Genevieve	397	411	
Blue Eye town	Stone	94	91	74
Blue Springs city	Jackson	25 927	6 779	2 555
Blythedale town	Harrison	219	213	179
Bogard town	Carroll	285	294	277

Incorporated Places Census Designated Places	Counties	1980	1970	1960
Bolckow town	Andrew	245	225	232
Bolivar city	Polk	5 919	4 769	3 512
Bonne Terre city	St. Francois	3 787	3 622	3 219
Boonville city	Cooper	6 959	7 514	7 090
Bosworth city	Carroll	394	386	465
Bourbon city	Crawford	1 259	955	779
Bowling Green city	Pike	3 022	2 936	2 650
Bragg City town	Pemiscot	200	210	274
Brandsville city	Howell	133	145	128
Branson city	Taney	2 550	2 175	1 887
Braunfax city	Adair	332	316	309
Braymer city	Caldwell	986	919	874
Breckenridge city	Caldwell	523	598	605
Breckenridge Hills village	St. Louis	5 666	7 011	6 299
Brentwood city	St. Louis	8 209	11 248	12 250
Bridgeton city	St. Louis	9 445	19 992	7 820
Bridgeton Terrace city	St. Louis	334	332	625
Bronson town	Grundy	154	103	107
Bronaugh town	Vernon	298	203	173
Brookfield city	Linn	5 555	5 491	5 694
Brookline village	Greene	217	267	
Brooklyn Heights village	Jasper	126	128	
Browning city	Total	368	412	412
	Linn (pt. in)	281	320	311
	Sullivan (pt. in)	87	92	101
Brownington town	Henry	112	95	130
Brumley town	Miller	99	87	74
Brunswick city	Chariton	1 272	1 370	1 493
Buckeye city	Linn	713	654	639
Buckner city	Jackson	2 848	1 695	1 198
Buffalo city	Dallas	2 217	1 915	1 477
Bunceton city	Cooper	419	437	468
Bunker city	Total	673	667	601
	Dent (pt. in)	268	209	153
	Reynolds (pt. in)	405	238	248
Burgess town	Barton	28	69	86
Burlington Junction city	Nodaway	657	634	650
Butler city	Bates	4 [illegible]	3 986	3 791
Butterfield village	Barry	234	125	125
Cabool city	Texas	2 [illegible]	1 [illegible]	1 284
Cainsville city	Harrison	494	454	495
Cairo village	Randolph	315	248	210
Caledonia village	Washington	162	113	119
Calhoun city	Henry	427	360	374
California city	Moniteau	3 [illegible]	3 105	2 788
Calina city	Macon	326	373	329
Calverton Park village	St. Louis	[illegible]	2 025	1 714
Camden city	Ray	219	286	310
Camden Point city	Platte	263	264	171
Camdenton city	Camden	2 303	1 636	1 405
Cameron city	Total	4 519	3 960	3 674
	Clinton (pt. in)	3 829	3 469	3 480
	De Kalb (pt. in)	690	491	194
Campbell city	Dunklin	2 114	1 379	1 964
Canalou city	New Madrid	349	358	447
Canton city	Lewis	2 435	2 680	2 562
Cape Girardeau city	Cape Girardeau	14 361	31 282	24 947
Caruthersville city	Pemiscot	7 958	7 350	8 643
Carrollton city	Carroll	4 706	4 847	4 554
Carterville city	Jasper	1 973	1 716	1 443
Carthage city	Jasper	11 104	11 035	11 264
Caruthersville city	Pemiscot	7 958	7 350	8 643
Caryotown city	Jasper	150		
Cassville city	Barry	2 390	1 910	1 451
Catron town	New Madrid	80	122	177
Cedar City city	Callaway	427	454	466
Cedar Hill (CDP	Jefferson	1 512		
Cedar Hill Lakes village	Jefferson	200		
Center city	Ralls	596	588	484
Centertown town	Cole	304	277	190
Centerview town	Johnson	223	234	208
Centerville city	Reynolds	241	209	210
Centralia city	Total	3 537	3 623	3 200
	Audrain (pt. in)	-	-	-
	Boone (pt. in)	3 537	3 623	3 200
Chaffee city	Scott	3 241	2 793	2 862
Chain-O-Lakes village	Barry	76		
Champion city	Osage	546	615	658
Champ village	St. Louis	28	19	50
Charlack city	St. Louis	1 537	1 872	1 493
Charleston city	Mississippi	5 230	5 13	5 911
Chilhowee town	Johnson	349	297	339
Chillicothe city	Livingston	9 089	9 519	9 236
Salisbury city	Livingston	244	244	285
Circle City village	Stoddard	154		
Clarence city	Shelby	947	1 050	1 103
Clark city	Randolph	304	271	260
Clarksburg city	Moniteau	352	343	357
Clarksdale town	De Kalb	278	248	242
Clarkson Valley village	St. Louis	435	157	137
Clarksville city	Pike	585	568	638
Clarkton city	Dunklin	1 228	1 177	1 049
Clarkson village	Clay	1 671	1 841	1 423
Clayton city	St. Louis	14 219	16 100	15 245

Table 5. **Population of Places: 1960 to 1980**—Con.

[For changes in boundaries of incorporated places since 1970, see table 4. For meaning of symbols, see introduction]

Incorporated Places Census Designated Places	Counties	1980	1970	1960
Longtown town	Perry	121	113	113
Lounsburg village	Dallas	140	152	...
Louisiana city	Pike	4 261	4 533	4 286
Lowry City city	St Clair	676	520	437
Lucerne town	Putnam	130	126	157
Ludlow town	Livingston	178	175	235
Lupus town	Montreau	50	68	75
Lurdy town	Clark	175	149	154
Lutesville city	Bollinger	865	626	658
McFall city	Gentry	139	203	206
Mackenzie village	St Louis	186	224	283
McKittrick town	Montgomery	87	101	97
Marks Creek village	Camden	171	106	123
Macon city	Macon	5 680	5 301	4 547
Madison city	Monroe	656	540	528
Maitland city	Holt	415	319	427
Malden city	Dunklin	6 096	5 374	5 007
Malta Bend town	Saline	292	342	338
Manchester city	St Louis	6 191	5 031	2 021
Mansfield city	Wright	1 423	1 056	949
Maplewood city	St Louis	10 960	12 785	12 552
Marble Hill city	Bollinger	601	589	497
Marceline city	Linn	2 938	2 622	2 872
Marionville city	Lawrence	1 920	1 496	1 251
Marlborough village	St Louis	2 012	1 492	650
Marquand city	Madison	397	400	392
Marshall city	Saline	12 786	12 051	9 572
Marshfield city	Webster	3 871	2 961	2 221
Marston city	New Madrid	742	666	631
Marthasville city	Warren	543	415	339
Martinsburg town	Audrain	309	318	330
Martinsville town	Harrison	44	39	79
Maryland Heights (CDP)	St Louis	5 676	8 805	...
Maryville city	Nodaway	9 558	9 970	7 807
Matthews city	New Madrid	567	538	450
Maysville city	De Kalb	1 187	1 045	942
Mayview city	Lafayette	291	330	270
Meadville city	Linn	416	409	447
Memphis city	Scotland	2 105	2 081	2 106
Meridan town	Clayton	252	289	287
Mercer town	Mercer	442	364	368
Merwin town	Bates	85	64	76
Metz city	Osage	336	387	360
Metz town	Vernon	136	120	137
Mexico city	Audrain	12 276	11 807	12 889
Miami city	Saline	177	205	156
Middletown town	Montgomery	268	235	211
Midway village	Newton	223	234	67
Milan city	Sullivan	1 947	1 794	1 670
Milford village	Barton	67	23	(NA)
Millard village	Adair	92	...	...
Miller city	Lawrence	795	676	601
Mill Spring village	Wayne	257	207	226
Milo town	Vernon	78	80	108
Mindenmines city	Barton	318	279	356
Minor town	Scott	182	640	548
Mineral Point town	Washington	358	369	332
Missouri City city	Clay	343	375	406
Moberly city	Randolph	13 418	12 988	13 170
Modena town	Callaway	293	398	419
Maine Acres city	St Louis	2 774	3 722	3 132
Monett city	Total	6 148	5 937	5 359
	Barry (pt en)	4 367	4 225	4 115
	Lawrence (pt en)	1 781	1 712	1 244
Monroe City city	Total	2 557	2 456	2 337
	Marion (pt en)	370	337	235
	Monroe (pt en)	2 187	2 119	2 102
Montgomery City city	Montgomery	2 101	2 187	1 918
Monticello town	Lewis	134	157	159
Moscow city	Henry	498	531	526
Mooresville town	Livingston	129	131	117
Morehouse city	New Madrid	1 220	1 332	1 417
Morley town	Scott	745	528	472
Morrison city	Gasconade	169	234	232
Morrisville town	Polk	331	256	228
Mosby city	Clay	284	337	293
Moscow Mills city	Lincoln	486	399	360
Mound City city	Holt	1 447	1 202	1 249
Moundville town	Vernon	149	149	136
Mountain Grove city	Wright	3 974	3 377	3 176
Mountain View city	Howell	1 666	1 320	936
Mount Leonard town	Saline	131	139	147
Mount Moriah town	Harrison	162	165	225
Mount Vernon city	Lawrence	3 341	2 600	2 381
Murphy (CDP)	Jefferson	8 121	...	...
Napoleon city	Lafayette	271	263	215
Naylor city	Ripley	602	586	499
Neck City city	Jasper	151	114	110
Neelyville city	Butler	474	381	385
Nelson city	Saline	248	230	245
Neosho city	Newton	9 493	7 517	7 452
Nevada city	Vernon	9 044	9 736	8 416
Newark town	Knox	105	116	116
New Bloomfield city	Callaway	519	427	359
Newburg city	Phelps	743	806	884
New Cambria town	Macon	246	260	270
New Florence city	Montgomery	731	635	616
New Franklin city	Howard	1 228	1 122	1 096
New Hampton city	Harrison	358	327	289
New Haven city	Franklin	1 581	1 474	1 223
New London city	Ralls	1 161	967	875
New Madrid city	New Madrid	3 204	2 719	2 867
New Melle village	St Charles	168	...	...
Newtonia town	Newton	224	208	153
Newtown town	Sullivan	170	211	265
Niangua city	Webster	376	309	287
Nixa city	Christian	2 662	1 636	944
Noel city	McDonald	1 161	924	736
Norborne city	Carroll	931	950	965
Normandy city	St Louis	5 174	6 236	4 452
North Kansas City city	Clay	4 507	5 183	5 657
North Lilbourn village	New Madrid	237	334	301
Northmoor city	Platte	506	562	696
North Warrdell village	Pemiscot	184	157	...
Northwoods city	St Louis	5 831	4 607	4 701
Northview village	Phelps	135	138	183
Norwood city	Wright	291	294	263
Norwood Court village	St Louis	881	358	186
Novelty town	Knox	187	156	176
Novinger city	Adair	626	547	621
Oak Grove city	Total	4 067	2 025	1 100
	Jackson (pt en)	4 067	2 025	1 100
	Lafayette (pt en)	-	...	...
Oak Grove village	Franklin	386	340	(NA)
Oakland city	St Louis	1 728	1 609	1 552
Oakland Park village	Jasper	143	156	139
Oak Ridge town	Cape Girardeau	252	181	175
Oaks village	Clay	126	162	159
Oakview village	Clay	497	494	543
Oakwood village	Clay	227	201	159
Oakwood Manor village	Clay	137	170	178
Oakwood Park village	Clay	231	266	231
Odessa city	Lafayette	3 088	2 839	2 034
O Fallon city	St Charles	8 677	7 018	3 770
Old Appleton town	Cape Girardeau	80	77	75
Old Monroe city	Lincoln	272	330	290
Olean town	Miller	128	151	135
Olivette city	St Louis	8 039	9 156	8 257
Olympian Village city	Jefferson	774	399	...
Oran city	Scott	1 266	1 226	1 090
Oregon city	Holt	901	789	887
Oronogo city	Jasper	525	492	513
Orrick city	Ray	922	883	800
Osage Beach city	Total	1 992	1 091	741
	Camden (pt en)	1 924	1 091	741
	Miller (pt en)	68	...	...
Osborn city	Total	381	338	274
	Clinton (pt en)	58	53	...
	De Kalb (pt en)	323	285	274
Osceola city	St Clair	841	874	1 066
Osgood town	Sullivan	93	108	135
Otterville city	Cooper	472	440	416
Overland city	St Louis	19 620	24 819	22 763
Owensville city	Gasconade	2 241	2 416	2 379
Ozark city	Christian	2 980	2 384	1 536
Pacific city	Total	4 410	3 247	2 795
	Franklin (pt en)	4 398	3 247	2 795
	St Louis (pt en)	12	-	-
Pagedale city	St Louis	4 542	5 044	5 106
Palmyra city	Marion	3 469	3 188	2 933
Paris city	Monroe	1 598	1 442	1 393
Parkdale town	Jefferson	270	836	198
Parkville city	Platte	1 997	1 253	1 229
Parkway village	Franklin	256	233	222
Parma city	New Madrid	1 081	1 051	1 060
Parnell city	Nodaway	223	232	260
Pasadena Hills village	St Louis	1 221	1 337	1 315
Pasadena Park village	St Louis	531	760	680
Pascola town	Pemiscot	211	180	228
Pass. town	Bates	53	56	84
Patterssburg city	Daviess	502	540	753
Paynesville town	Pike	85	90	...
Peculiar city	Cass	1 571	705	458
Peerless Park village	St Louis	79	51	99
Penerman village	Stoddard	136	...	...
Perry city	Ralls	836	839	802
Perryville city	Perry	7 343	5 149	5 117
Pevely city	Jefferson	2 732	517	416
Phelps City town	Atchison	39	76	81
Phillipsburg town	Laclede	134	173	142
Pickering town	Nodaway	215	245	234
Piedmont city	Wayne	2 359	1 906	1 555
Pierce City city	Lawrence	1 291	1 097	1 006
Pilot Grove city	Cooper	745	701	680
Pilot Knob city	Iron	722	582	524
Pine Lawn city	St Louis	6 662	5 745	5 943
Pineville town	McDonald	504	464	454
Platte City city	Platte	2 114	2 022	1 188
Platte Woods city	Platte	467	484	393
Plattsburg city	Clinton	2 095	1 832	1 663
Pleasant Hill city	Cass	3 301	3 396	2 689

Table 5. Population of Places: 1960 to 1980—Con.

[For changes in boundaries of incorporated places since 1970 see table 4. For meaning of symbols see introduction]

Incorporated Places Census Designated Places	Counties	1980	1970	1960
Pleasant Hope village	Polk	354	265	216
Pleasant Valley city	Clay	1 545	1 535	1 109
Pocahontas town	Cape Girardeau	130	127	128
Pollock village	Sullivan	102		
Polo city	Caldwell	583	438	469
Poplar Bluff city	Butler	17 139	16 653	15 926
Portage Des Sioux city	St Charles	488	509	371
Portageville city	New Madrid	3 470	3 117	2 505
Potosi city	Washington	2 528	2 761	2 805
Powersville town	Putnam	116	125	189
Prairie Home city	Cooper	279	231	212
Prathersville village	Clay	141	153	168
Preston town	Hickory	169	132	117
Princeton city	Mercer	1 264	1 328	1 443
Purcell city	Jasper	322	325	265
Purdin city	Linn	243	236	207
Purdy city	Barry	978	588	467
Pusaco city	Shoaldard	833	759	743
Queen City city	Schuyler	783	588	599
Quitman town	Nodaway	66	95	113
Quin town	Butler	565	496	587
Randolph village	Clay	91	106	248
Ravenwood town	Nodaway	636	336	282
Raymondville town	Texas	388	284	202
Raymore city	Cass	3 156	587	268
Raytown city	Jackson	31 759	33 306	17 383
Rayville town	Ray	197	202	200
Rea town	Andrew	48	56	90
Redings Mill village	Newton	222	179	202
Reeds town	Jasper	105	128	185
Reeds Spring city	Stone	461	286	327
Renick town	Randolph	195	188	190
Republic city	Greene	4 485	2 611	1 519
Revere town	Clark	191	184	190
Rhineland town	Montgomery	177	190	190
Richards town	Vernon	177	105	132
Rich Hill city	Bates	1 471	1 661	1 699
Richland city	Total	1 922	1 783	1 662
	Camden (pt in)	97	8	(NA)
	Laclede (pt in)	22	42	
	Pulaski (pt in)	1 803	1 733	1 662
Richmond city	Ray	5 699	4 948	4 604
Richmond Heights city	St Louis	11 516	13 802	15 622
Ridgely town	Platte	78	53	(NA)
Ridgeway city	Harrison	516	669	470
Risco city	New Madrid	646	412	502
Ritchey town	Newton	126	101	128
Rivermines village	St Francois	414	402	449
Riverside city	Platte	3 206	2 123	1 115
Riverview village	St Louis	3 367	3 741	3 706
Rockaport city	Boone	272	307	375
Rockaway Beach town	Taney	297	195	176
Rock Hill city	St Louis	5 702	6 815	6 123
Rock Port city	Atchison	1 511	1 575	1 310
Rockville city	Bates	281	203	255
Rogersville town	Total	741	595	447
	Greene (pt in)	35	21	
	Webster (pt in)	706	574	447
Rolla city	Phelps	13 303	13 571	11 132
Rosati town	St Clair	91	137	125
Rosebud city	Gasconade	326	305	288
Rosendale town	Andrew	223	245	234
Ruthville village	Chariton	118	131	138
Rush Hill town	Audrain	140	151	132
Rushville town	Buchanan	271	300	253
Russellville city	Cole	667	557	442
Rutledge town	Scotland	128	139	158
Sagaster village	Newton	293	224	188
St Ann city	St Louis	15 523	18 215	12 155
St Charles city	St Charles	37 379	31 834	21 189
St Clair city	Franklin	3 485	2 978	2 711
St Cloud village	Crawford	40	34	
Ste Genevieve city	Ste Genevieve	4 481	4 468	4 443
St Elizabeth town	Miller	312	287	57
St George city	St Louis	1 545	2 033	1 323
St James city	Phelps	3 328	2 979	2 384
St John city	St Louis	7 854	8 960	7 342
St Joseph city	Buchanan	76 691	72 748	79 673
St Louis city		453 085	622 236	750 026
St Martins city	Cole	739		
St Mary city	Ste Genevieve	565	665	620
St Paul village	St Charles	607		
St Peters city	St Charles	15 700	486	404
St Robert city	Pulaski	1 735	1 465	860
St Thomas town	Cole	337	195	
Salem city	Dent	4 454	4 363	3 870
Salisbury city	Chariton	1 975	1 960	1 787
Sappington (CDP)	St Louis	11 388	10 603	
Sarcoxie city	Jasper	1 381	1 175	1 056
Savannah city	Andrew	4 184	3 324	2 455
School City city	Vernon	327	367	343
Schuermann Heights village	St Louis	234	290	288
Scott City city	Scott	3 262	2 464	1 963
Scottsville town	Jefferson	183		
Seddalia city	Pettis	20 927	22 847	23 874
Sedgewickville village	Bollinger	115	92	91
Seligman city	Barry	508	424	387

Incorporated Places Census Designated Places	Counties	1980	1970	1960
Senath city	Dunklin	1 728	1 484	1 369
Seneca city	Newton	1 853	1 577	1 478
Seymour city	Webster	1 535	1 208	1 046
Shelbina city	Shelby	2 169	2 060	2 087
Shelbyville city	Shelby	645	601	657
Sheldon city	Vernon	491	498	436
Sheridan town	Worth	220	251	277
Shoal Creek Drive village	Newton	374	329	277
Shoal Creek Estates town	Newton	89		
Shrewsbury city	St Louis	5 077	5 896	4 730
Sibley village	Jackson	382	279	177
Sikeston city	Total	17 431	14 699	13 765
	New Madrid (pt in)	668	309	86
	Scott (pt in)	16 763	14 390	13 679
Silex village	Lincoln	287	306	176
Silver Creek village	Newton	519	381	152
Skidmore city	Nodaway	437	440	425
Slater city	Saline	2 492	2 576	2 767
Smithton city	Pettis	559	402	295
Smithville city	Clay	1 873	1 785	1 254
South Gifford village	Macon	98	64	93
South Gorin town	Scotland	212	220	279
South Greenfield village	Dade	110	144	179
South Lawonda town	Mercer	55	52	76
South Wayne City city	McDonald	516	453	504
Spanish Lake (CDP	St Louis	20 632	15 647	
Sparta city	Christian	743	380	272
Spickard city	Grundy	389	408	450
Springfield city	Greene	133 [illegible]	120 096	95 865
Spring Valley village	McDonald	67	60	43
Stanberry city	Gentry	1 387	1 479	1 409
Stark City town	Newton	132	122	121
Steele city	Pemiscot	2 419	2 107	2 301
Steelville city	Crawford	1 470	1 392	1 127
Stella town	Newton	230	97	166
Stewartsville city	De Kalb	832	634	466
Stockton city	Cedar	1 432	1 063	838
Stotesbury town	Vernon	48	35	64
Storms City city	Lawrence	232	203	221
Stoutland village	Total	286	205	172
	Camden (pt in)	240	68	172
	Laclede (pt in)	46	37	(NA)
Strasburg village	Morgan	34	51	109
Stover city	Morgan	[illegible]	849	757
Strafford city	Greene	211	69	
Strasburg town	Cass	170	81	213
Sturgeon city	Boone	[illegible]	787	619
Sugar Creek city	Total	4 305	4 755	2 663
	Clay (pt in)			
	Jackson (pt in)	4 305	4 755	2 663
Sullivan city	Total	5 461	5 [illegible]	4 098
	Crawford (pt in)	225	258	656
	Franklin (pt in)	4 436	4 253	3 442
Summersville city	Total	551	435	356
	Shannon (pt in)	98	52	29
	Texas (pt in)	453	383	327
Sumner town	Chariton	182	78	234
Sundown village	Ozark	39		
Sunnyside town	Total	353	311	142
	Jasper (pt in)			
	Newton (pt in)	353	311	142
Sunrise Beach village	Total	148	126	78
	Camden (pt in)	100	95	78
	Morgan (pt in)	48	31	
Sunset Hills city	St Louis	4 361	4 126	3 525
Sweet Springs city	Saline	1 694	1 716	1 452
Sycamore Hills village	St Louis	741	821	942
Syracuse city	Morgan	222	214	180
Table Rock Townsite village	Taney	58	16	
Tallapoosa city	New Madrid	197	205	
Taneyville village	Taney	300	188	134
Tarkio city	Atchison	2 375	2 517	2 160
Tarrants village	Pike	50	45	
Taneyy Lakes village	Jackson	329	401	
Thayer city	Oregon	2 211	1 609	1 713
Theodosia village	Ozark	204	132	
Times Beach city	St Louis	2 041	1 265	986
Tina town	Carroll	202	167	199
Trenton city	Grundy	104	92	94
Tipton city	Moniteau	2 155	1 914	1 639
Town and Country city	St Louis	3 187	2 645	1 440
Tracy city	Platte	310	252	208
Trenton city	Grundy	6 811	6 063	6 262
Trimble town	Clinton	262	206	185
Triplett city	Chariton	137	191	231
Troy city	Lincoln	7 624	2 538	1 779
Truesdale town	Warren	297	262	217
Turney town	Clinton	379	142	164
Tuscumbia town	Miller	241	256	231
Twin Oaks village	St Louis	426	41	206
Umber View Heights village	Cedar	41		
Union city	Franklin	5 506	5 183	3 937