

6. APPENDICES

Appendix A: SAC Criteria for Commercial Properties

FACILITY	PARAMETER	SAC
Animal Clinic (humane societies, animal research, boarding, etc.)		
Animal holding areas	17 fixture units	1
Animal runs (kennels)	34 fixture units	1
Archery (6 feet/lane)	6 lanes	1
Arenas (bleachers 18 inches/person)	110 seats	1
Auditoriums (7 square feet/person)	110 seats	1
Automobile Service		
Fast service (less than 4 hours/car)	2 service bays	1
Major service (more than 4 hours/car)	14 employees	1
Car dealership (charges for office, retail, etc. are separate at established rates)	2 service bays	1
Fast service (number of service bays x 30%)	2 service bays	1
Major service (Number of service bays x 70% x 1 employee/bay)	14 employees	1
Ballroom (exclude dance floor)		
Facility without liquor service	825 square feet	1
Facility with liquor service	590 square feet	1
Bank (exclude bank vault)	2400 square feet	1
Banquet Room (15 square feet/person)		
Food catered	2,060 square feet	1
Food catered with dishwashing	1,180 square feet	1
Food catered with liquor	1,028 square feet	1
Food catered with dishwashing and liquor	750 square feet	1
Food preparation and dishwashing	825 square feet	1
Food preparation with dishwashing and liquor	590 square feet	1
Barber	4 chairs	1
Batting Cages (6 feet/lane)	6 lanes	1
Beauty Salon	4 cutting stations	1
Bingo Hall (used only for bingo)	110 seats	1
Boarding House (dorm rooms)	5 beds	1
Body Shop (major service – more than 4 hours/car, no vehicle washing)	14 employees	1
Bowling Alleys (does not include bar or dining area)	3 alleys	1

FACILITY	PARAMETER	SAC
Camps (number of gallons x occupant or site)		
Children's camps (central toilet and bath; overnight, primitive cabins; number of occupants x 50 gallons/occupant)	274 gallons	1
Day camps (no meals served; number of occupants x 10 gallons/occupant)	274 gallons	1
Labor/construction camps (number of occupants x 50 gallons/occupant)		
Resorts (housekeeping cabins; number of occupants x 60 gallons/occupant)	274 gallons	1
Travel trailer parks		
With water and sewer hookup (number sites x 100 gallons/site)	274 gallons	1
With central toilet and showers (number of sites x 75 gallons/site)	274 gallons	1
Sanitary dump (sites without hookup; number of sites x 10 gallons/site)	274 gallons	1
Car Wash	Contact MCES for Determination	
Catering	Contact MCES for Determination	
Churches (for sanctuary, nave, chancel; 7 square feet/person seating area; remainder use other criteria; sacristy and ambulatory at no charge)	275 seats	1
Cocktail lounge (no food service)	23 seats	1
Coffee Shop (no food service)	23 seats	1
Correction Facility (prison)	2.5 inmates	1
Court Rooms	1,650 square feet	1
Dorm Rooms (on and off campus; charge for classrooms is additional)	5 students	1
Daycare		
Number of children for which facility is licensed	14 children	1
Child/adult play area (not licensed)	490 square feet	1
Dry Cleaners (retail)	3,000 square feet	1
Elder Housing (at 100% of current SAC rate; see formula below to determine the number of residents)		
No washer/dryer in each unit	3 residents	1
Washer/dryer in each unit	2.5 residents	1
Three bedroom unit with washer/dryer (separate from formula below)		
Calculate the number of residents as follows:		
Number of efficiency units x 1.0 residents/unit		
+ Number of one-bedroom units x 1.5 residents/unit		
+ Number of two-bedroom units x 2.0 residents/unit		
+ <u>Number of three-bedroom units x 3.0 residents/unit</u>		
Total number of residents for SAC calculation		

Appendix A, Continued

FACILITY	PARAMETER	SAC
Exercise Area/Gym (juice bars at no charge; sauna and whirlpool included)	700 square feet	1
No showers	2,060 square feet	1
Fire Station (charges for office, meeting rooms, etc., are separate, at established rates)		
Washing (hose tower, truck)	274 gallons	1
Full time, overnight people (75 gallons/person)	274 gallons	1
Volunteer (occasional overnight stays)	14 volunteers	1
Funeral Home (charge for viewing areas only: i.e., chapel)	770 square feet	1
Apartment	1 apartment	1
Game Room (billiards, video and pinball games)		
With bar	590 square feet	1
Without bar	2,060 square feet	1
Golf Course (if facility has showers, use Locker Room criteria for those areas)		
18 hole		3
9 hole (par 3)		2
Miniature		3
Country club (private)		
Dining room (used only on evenings and weekends)	15 seats	1
Bar and grill (with bar and grill separate)		
Bar only	23 seats	1
Grill	15 seats	1
Golf Dome or Driving Range	6 driving stations	1
Greenhouse		
Area not open to the public	15,000 square feet	1
Area open to the public	5,000 square feet	1
General retail area	3,000 square feet	1
Group Home		
Secondary treatment (residents leave during the day)	5 beds	1
Primary treatment (residents stay all day)	3 beds	1
Guest Rooms (in an apartment or condominium complex; charge SAC as apartment)		
Washer/dryer	100% of current SAC rate	
No washer/dryer	80% of current SAC rate	
No kitchen	50% of current SAC rate	
Handball and Racquetball Courts	1 court	2

FACILITY	PARAMETER	SAC
Hospitals (licensed beds or baby cribs)	1 bed	1
Outpatient clinic	17 fixture units	1
Sterilizers (4 hours x gallons per minute x 60 minutes)	274 gallons	1
X-ray film processors (9 hours continuous operation; 4 hours intermittent operation; operation time (hours) x gallons per minute x 60 minutes)	274 gallons	1
Dental clinic vacuum device (9 hours x gallons per minute x 60 minutes)	274 gallons	1
Ice Arena		
Showers (see <i>Locker Rooms</i>)		
Team Rooms (plumbing fixture units)	17 fixture units	1
Bleachers	110 seats	1
Ice resurfacers (if discharge goes to the sanitary sewer)		4
Laundromat (required water volume for cycle time x 8 cycles/day)	274 gallons	1
Library (subtract book storage areas, file areas; charge for common plumbing fixture units in public areas)	17 fixture units	1
Meeting rooms, board rooms, reception, book checkout offices	2,400 square feet	1
Loading Dock	7,000 square feet	1
Locker Rooms (if showers – 20 gallons/locker)	14 lockers	1
Medical Clinic (see <i>Hospitals, Outpatient Clinic</i>)		
Meeting Rooms (conference rooms)	1,650 square feet	1
Mini-storage (storage area – no charge)		
Living area		1
Public restroom	17 fixture units	1
Mobile Home		
Motels and Hotels (assume 2 persons/room; no charge for pools, saunas, whirlpools, game rooms, or exercise rooms used exclusively by guests)	2 rooms	1
Breakfast only (complimentary)	45 seats	1
Cocktail hour (complimentary)	55 seats	1
Kitchenettes (number of kitchenettes x 10 gallons/day)	274 gallons	1
Museum	2,400 square feet	1
Nursing Home	3 beds	1
Office		
General office (deduct mechanical rooms, elevator shafts, stairwells, restroom and storage areas)	2,400 square feet	1
Dental and Doctor's offices, see <i>Hospital, Outpatient Clinic</i>		
Police Station (charge as Office)		
Cells (overnight – jail)	3 people	1
Cells (holding area with no overnight stays)	14 people	1
Recording/Film Studios	7,000 square feet	1

FACILITY	PARAMETER	SAC
Restaurant		
Drive-in	9 parking spaces	1
Fast food (with disposable plates, drink cups, and table utensils)	22 seats	1
Take-out (no seating)	3,000 square feet	1
Full service (with washable plates, drink cups, and table utensils)	8 seats	1
Retail Stores (deduct mechanical rooms, elevator shafts, stairwells, escalators, restrooms and unfinished storage areas)	3,000 square feet	1
Roller Rink (skating area only)	825 square feet	1
Rooming Houses (no food service)	7 beds	1
RV Dumping Station (not in association with camp grounds)		1
Schools		
Elementary schools (15 gallons/student; 30 square feet/student)	18 students	1
Colleges/technical/vocational (30 square feet/student)	18 students	1
Lecture halls (15 square feet/student)	18 students	1
Labs (50 square feet/student)	18 students	1
Dorm rooms (on and off campus students)	5 students	1
Nursery schools (number of children for which facility is licensed)	14 students	1
House of worship nurseries (used during worship service only; 30 square feet/child)	55 children	1
Nursery (health clubs, bowling alleys, etc.)	2,400 square feet	1
Secondary schools (30 square feet/student, at 20 gallons/student)	14 students	1
Labs (50 square feet/student)	14 students	1
Weekly worship schools (i.e., not daily parochial schools; 30 square feet/student)	55 students	1
Service Station		
Gas pumping		1
Convenience center	3,000 square feet	1
Service bays	2 bays	1
Car wash (see <i>Car Wash</i>)		
Shooting Ranges (rifle and handgun ranges, @ 6 feet per lane)	6 lanes	1
Swimming Pools (public, swimming pool area only; no charge for private residential, townhouse, apartments, condominiums, hotels, or motels)	900 square feet	1
Tanning Rooms	3,000 square feet	1
Tennis Courts (public; shower facilities available)	1 court	2
Theatre		
Drive-in (parking spaces)	55 spaces	1
Vehicle Garage		
Employees stationed in garage	14 employees	1
Vehicle drivers (per day)	28 drivers	1

FACILITY	PARAMETER	SAC
Vehicle washing (number of vehicles per day x gallons per minute x minutes/vehicle)	274 gallons	1
Warehouses		
Assembly areas	7,000 square feet	1
Office/warehouse		
Minimum 30% office	2,400 square feet	1
Maximum 70% warehouse	7,000 square feet	1
Whirlpools, therapy (at doctor's office or clinic; number of gallons to fill tank x 8 fills/day)	274 gallons	1
Yard Storage Buildings (i.e., lumber storage; customer pickup; no permanent employees)	15,000 square feet	1

Plumbing Waste Fixture Units

Type of Fixture	Fixture Unit Value (f.u.)
Note: 17 Fixture Units (f.u.) = 1 SAC	
Drinking Fountain	1
Floor Drain	
2" waste (only if hose bib included)	2
3" waste (only if hose bib included)	3
4" waste (only if hose bib included)	4
Trench drain: per 6-foot section	2
Sinks	
Lab in exam room, bathroom	1
Kitchen and others	2
Surgeon	3
Janitor	4
Water closet	6