

Chapter V **INFRASTRUCTURE/ UTILITIES/ FACILITIES**

INFRASTRUCTURE AND PHYSICAL DEVELOPMENT

Table 95: Road Network

Type of Road	2018				
	Length (kilometers)	Surface type, kilometers			
		Concrete	Asphalt	Gravel	Earth
National	111.183	85.388	25.795	0	0
City/ Barangay	255.489	226.695	8.640	11.509	8.645
National Bridges	1.007	0.334	0.673	0	0
TOTAL	367.679	312.417	35.100	11.509	8.645

Source: DPWH (National Roads and Bridges) and CEO (City/ Barangay Roads)

Type of Road	2017				
	Length (kilometers)	Surface type, kilometers			
		Concrete	Asphalt	Gravel	Earth
National	111.183	84.898	26.285	0	0
City/ Barangay	232.7438	212.62147	13.35133	6.771	0
National Bridges	1.007	0.778	0.229	0	0
TOTAL	345.9408	300.26347	39.08633	6.771	0

Source: DPWH (National Roads and Bridges) and CEO (City/ Barangay Roads)

Table 96: Summary of Road Network

Road	Length (kilometers)	Surface type, kilometers			
		Concrete	Asphalt	Gravel	Earth
Difference	21.7382	12.15353	-3.98633	4.738	0
Percent Change	6.28	4.05	- 10.20	69.97	0

The City has a total road network of 367.679 kilometers. This road network comprises 30.51 percent national road including bridges and 69.49 are City and barangay roads. The increase of 21.7382 kilometers of road network due to newly identified roads that were recently opened in various barangays of the City.

TRANSPORTATION

Table 97: Registrations by Type of Vehicle (New & Renewal)

TYPE	RENEWAL		NEW	
	2017	2018	2017	2018
Cars	7,375	7,623	181	213
Utility Vehicle	21,962	22,055	1,114	1,062
Sports UV	5,552	5,971	584	455
Trucks	1,621	1,537	2	1
Buses	110	92	-	-
Motorcycle	8,115	10,016	21,455	15,219
Trailers	74	82	2	-
TOTAL	44,809	47,376	23,338	16,950

Source: DOTr-CAR

Table 98: Summary of Registration by Type of Vehicles

TYPE	TOTAL		Difference	Percent Change
	2017	2018		
Cars	7,556	7,836	280	3.70
Utility Vehicle	23,076	23,117	41	0.18
Sports UV	6,136	6,426	290	4.73
Trucks	1,623	1,538	-85	-5.24
Buses	110	92	-18	-16.36
Motorcycle	29,570	25,235	-4,335	-14.66
Trailers	76	82	6	7.89
TOTAL	68,147	64,326	-3,821	-5.61

Source: DOTr-CAR

There is a decrease in the total number of registered vehicles in 2018, particularly trucks and buses which is attributed to the implementation of the Omnibus Franchising Guidelines (OFG) of the Land Transportation Office. This states that a unit can only be registered following the 15 year old qualification when a unit is subject to dropping or is phased out, said unit can only be substituted with a brand new unit and not a rebuilt one.

Table 99: Registrations of Vehicles as Inspected, Registered and by Registration Cases

TYPE	2017	2018	Difference	Percent Change
MV Inspected	44,817	47,371	2,554	5.70
MV Registered	44,809	47,376	2,567	5.73
Registration Cases	88,987	93,570	4, 583	5.15

Source: DOTr-CAR

The number of registration cases recorded for new and renewed vehicles is based on the requirements submitted. These are vehicles with mortgage annotations, duplicate certificate of registration and cancellation of mortgage.

Table 100: Registration by Classification Of Vehicles

TYPE	2017	2018	Difference	Percent Change
Private	36,881	40,144	3,263	8.85
Government	690	733	43	6.23
For Hire	7,238	6,499	739	10.21
TOTAL	44,809	47,376	2,567	5.73

Source: DOTr-CAR

Private motor vehicles registered in 2018 increased by 8.85 % with a total of 40,144, this indicates that private vehicles are dominant means of transportation of the residents in the city compared to public utility vehicles plying the city's road network.

BUILDINGS

Table 101: Number of Building Permits Issued

SECTOR	2017	2018	Difference	Percent Change
RESIDENTIAL				
A. New Residential	303	334	31	10.23
B. Residential Additional	9	16	7	7.78
C. Residential Extension	1	7	6	600.00
D. Residential Renovation	5	4	1	20.00
TOTAL	318	361	43	13.52
COMMERCIAL				
A. New Commercial	45	21	24	53.33
B. Commercial Renovation / Repair	52	64	12	23.08
C. Apartment	16	12	4	25.00
D. Dormitory	4	3	1	25.00
E. Hotel	10	6	4	40
F. Condominium	6	12	6	50.00
TOTAL	133	118	-15	-11.28
INSTITUTIONAL				
A. Church	4			
B. School	9	15	6	66.67
C. Hospital		5		
D. Government Office	32	21	11	34.37
TOTAL	43	41	2	4.65
OTHERS				
A. Fencing	51	57	6	11.76
B. Excavation	55	88	33	60.00
C. Mechanical Permit	88	137	49	55.68
D. Demolition Permit	42	43	1	2.38
E. Sidewalk/Sidewalk Enclosure	5	4	1	20.00
F. Antenna/Cell site	4			
G. Signages	11	3	8	72.73
H. Annual Inspection	10	-	-	-
TOTAL	266	332	66	24.81
GRAND TOTAL	759	852	94	12.38

Source: City Buildings & Architecture Office, Baguio City

An increase was noted for the construction of residential houses and institutional buildings with 13.52 percent and 4.65 percent respectively. However a decrease of 11.28 percent was noted for commercial buildings.

Table 102: Cost of Structures (In Php), (based on the Submitted Cost Estimate)

	2017	2018	Difference	Percent Change
I. RESIDENTIAL				
New Structure	511,791,515.90	598,786,029.32	86,994,513.42	17.00
Residential Additional	35,429,281.59	8,462,076.29	26,967,205.30	76.11
Residential Extension	1,676,403.00	5,187,437.00	3,511,034.00	209.44
Residential Renovation	11,423,200.20	3,341,915.00	-8,081,285.20	-70.74
TOTAL	560,320,400.69	615,777,457.61	55,457,056.92	9.90
II. COMMERCIAL				
A. New Structure	415,608,102.92	217,478,066.18	-198,130,036.74	-47.67
B. Commercial Renovation/Repair	42,970,935.69	55,089,380.38	12,118,444.69	28.20
C. Apartment	82,656,999.88	12,079,766.28	-70,577,233.60	-85.38
D. Dormitory	13,039,765.80	11,041,868.20	-1,997,897.60	-15.32
E. Hotel	85,492,886.22	651,498,811.48	566,005,925.26	662.05
F. Condominium	114,525,713.04	1,323,270,323.61	1,208,744,610.57	1,055.43
TOTAL	754,294,403.55	2,270,458,216.13	21,949,963,812.60	2,910.00
III. INSTITUTIONAL				
A. Church	33,904,796.95	-	-	-
B. School	70,459,838.92	175,150,257.90	104,690,418.98	148.58
C. Hospital	-	143,484,769.78	-	-
Government Office	218,600,249.76	139,825,015.03	-78,775,234.73	-36.04
TOTAL	322,964,885.63	458,460,042.71	135,495,157.08	41.95
IV. OTHERS				
A. Fencing	58,394.04	134,160.13	75,766.09	129.75
B. Excavation	2,663,705.03	1,502,799.39	-1,160,905.64	-43.58
C. Mechanical Permit	608,284.24	733,619.29	125,335.05	20.60
D. Demolition Permit	81,628.25	115,170.24	33,541.99	41.09
E. Sidewalk / Sidewalk Enclosure	10,575.00	132,249.67	121,674.67	1,1150.59
F. Riprap / RC Wall / Firewall	1,608,089.90	-	-	-
G. Annual Inspection	223,937.42	-	-	-
H. Antenna / Cell site / Poles / Cables	41,160.00	-	-	-
I. Signages	20,336.17	19,316.70	-1,019.47	-5.01
J. Carwash	3,245,961.65	-	-	-
K. Guard House/ Garage	2,389,451.80	-	-	-
TOTAL	10,951,523.50	2,637,315.42	-8,314,208.08	-131.72
GRAND TOTAL	1,648,531,213.37	3,347,333,031.87	1,698,801,818.49	103.05

Source: City Buildings & Architecture Office, Baguio City

Table 103: Revenues Collected from Building and Occupancy Permits, 2018

	BUILDING PERMIT		OCCUPANCY PERMIT		TOTAL
	Amount	Number	Amount	Number	Amount
January	1,494,720.60	63	225,213.60	23	1,719,934.20
February	2,206,307.56	47	263,799.55	18	2,470,107.11
March	829,119.99	52	690,272.75	32	1,519,392.74
April	2,080,721.44	53	595,189.00	27	2,675,910.44
May	2,095,244.15	67	568,179.00	21	2,663,423.15
June	1,229,222.55	42	174,895.00	20	1,404,117.55
July	378,568.60	28	219,257.08	19	597,825.68
August	261,357.37	31	143,000.00	14	404,357.37
September	781,025.40	21	199,470.50	23	980,495.90
October	1,115,260.00	41	514,410.00	17	1,629,670.00
November	524,008.00	36	825,397.00	20	1,349,405.00
December	4,025,821.53	39	222,411.00	15	4,248,232.53
TOTAL	17,021,377.19	520	4,641,494.48	249	21,662,871.67

Source: City Buildings and Architecture Office, Baguio City

Table 104: Revenues Collected from Building and Occupancy Permits, 2017

	BUILDING PERMIT		OCCUPANCY PERMIT		TOTAL
	Amount	Number	Amount	Number	Amount
January	275,206.78	37	128,220.16	29	403,426.94
February	618,200.55	36	149,561.88	17	767,762.43
March	818,904.57	46	194,745.21	31	1,013,649.78
April	646,174.74	46	191,208.40	23	837,383.14
May	592,411.08	44	211,284.20	18	803,695.28
June	952,427.07	36	164,747.67	15	1,117,174.74
July	343,093.56	37	67,638.79	11	410,732.35
August	199,708.08	43	238,148.22	23	437,856.30
September	270,699.89	35	206,980.00	17	477,679.89
October	1,274,115.93	50	85,562.27	14	1,359,678.20
November	755,249.03	42	298,819.04	15	1,054,068.07
December	1,540,752.85	42	270,558.37	22	1,811,311.22
TOTAL	7,334,517.06	494	2,207,474.21	235	9,541,991.27

Source: City Buildings and Architecture Office, Baguio City

Revenues collected by the Office of the City Building Official from the issuance of Building and Occupancy permits surpassed the previous collection in 2017 or an increase of 127.03 percent. This is due to the imposition of Administrative Fine under Section 212 of the National Building Code which states that “ For any violation of the provisions of the code or any rules or regulations issued, fines not exceeding ten thousand pesos (Php 10,000) will be imposed”. Therefore, applicants who started their construction or occupied the structure without necessary documents are fined.

POWER

Table 105: Electric Consumption in Kilo-Watt-Hour used by Sector

SECTOR	2017	2018	Difference	Percent Change
Residential	135,705,021	40,144	4,295,610	3.165
Commercial	144,172,239	733	4,407,896	3.06
Public Building	11,992,277	6,499	2,085,471	17.39
Streetlights	7,449,481	47,376	10,836	0.15
Industrial	1,804,001	40,144	167,196	9.27
TOTAL	301,123,019	733	6,461,675	2.15

Source: Benguet Electric Cooperative, Inc.

Table 106: Number of Concessionaires served, 2017-2018

TYPE	2017	2018	Difference	Percent Change
Residential	1,093,480	1,131,777	38,297	3.50
Commercial	92,258	91,130	1,128	1.22
Public Building	10,630	11,028	398	3.74
Streetlights	2,360	2,482	122	5.17
Industrial	60	47	13	21.67
TOTAL	1,198,788	1,236,464	37,676	3.14

Source: Benguet Electric Cooperative, Inc.

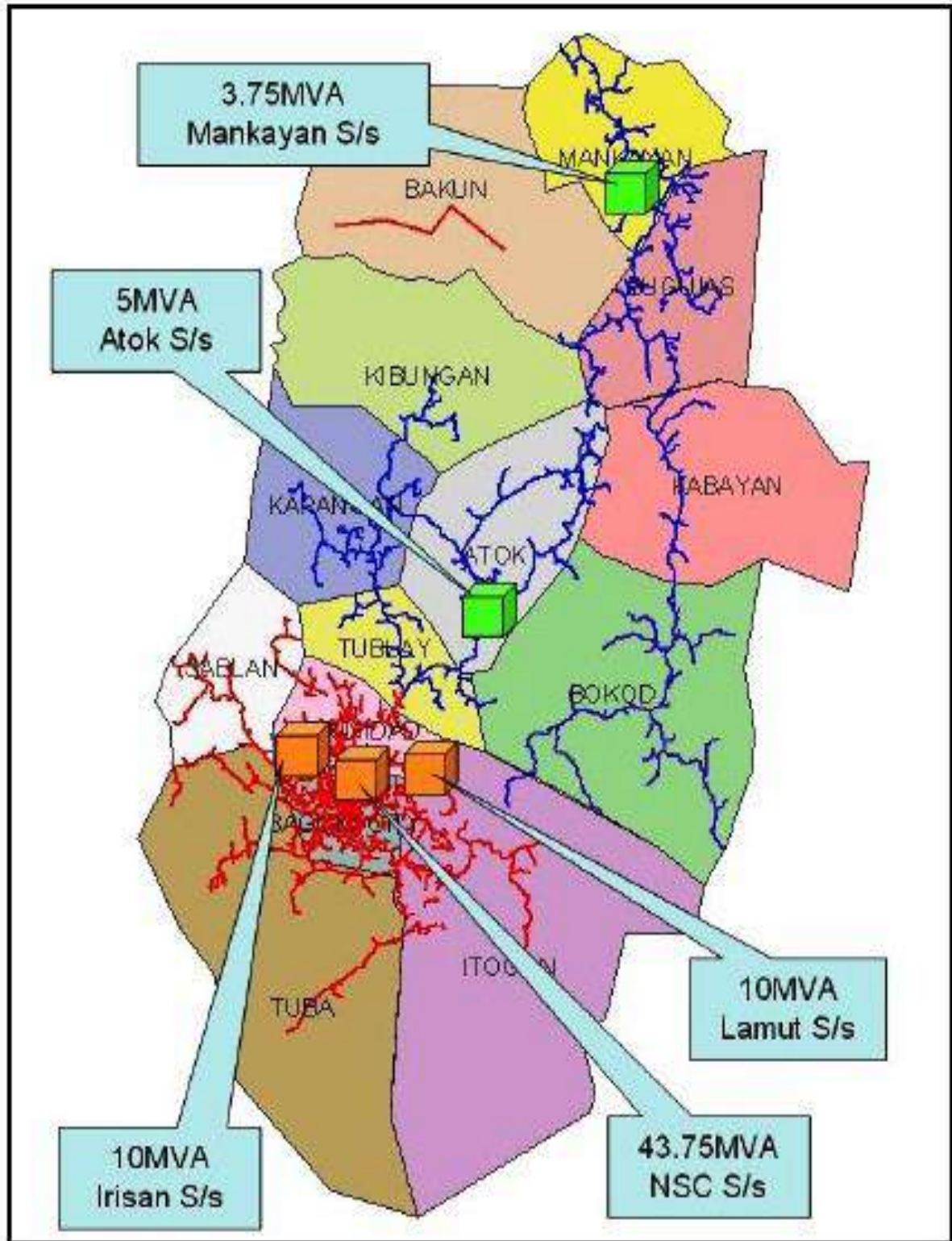
Table 107: Cost of Electricity (PHP. PER KWH)

TYPE	2017	2018	Difference	Percent Change
Commercial	6.8689	7.267	0.3981	5.79
Industrial	6.8375	7.145	0.3075	4.50

Source: Benguet Electric Cooperative, Inc.

Power consumption of BENECO concessionaires in the City reached 307,584,694 KWH an increase of 2.15 percent. Commercial establishment comprised the largest power consumption followed by residential and public buildings, street lights and industrial sector.

The cost of commercial electricity increased by 5.79 percent in 2018. Further, an increase of 4.50 percent was also noted for industrial electricity.



Map 20. BENEKO's Power Distribution System

WATER

Table 108: Waterworks System, Baguio City, 2018

LOCATION OF WATER SOURCE	LOCATION (Pumps / Deepwell)	CAPACITY		BARANGAY SERVED
		(LPS)	(GPM)	
Amparo Hts., Camp 7	Amparo 3	107.10	1700	Camp 7, Loakan-Apugan, Loakan - Liwanag, Loakan-Proper, Balsigan, BGH, Burnham-Legarda-Kisad, City Camp Central, City Camp Proper, Gen. Luna - Upper and Lower, Bayanihan Magsaysay Private Road, Magsaysay - Upper, Malcolm Square-Perfecto, MRR-Queen of Peace, Upper New
Amparo Hts., Camp 7	Amparo 4	107.10	1700	
Amparo Hts., Camp 7	Amparo 5	17.33	275	
Camp 7 (Agpaoa)	Camp 7-1	15.75	250	
Milo St., Camp 7	Milo	39.06	6.20	Lucban, Palma-Urbano, Poliwes, Rizal Monument, Session
Military cut-off Road	MCO	15.44	245	Road, Teodora Alonzo, AZCKO , Labsan Area
Shangrila Subd, Asin Road	Asin / Shangrila	3.15	50	Shangrila
Athletic Bowl, Burnham	Athletic Bowl 2	12.60	200	Harrison - Carantes, Magsaysay-Private Road, ABCR (A.
Harrison Rd., SSS Bldg	Harrison	3.78	60	Bonifacio, Caguioa, Rimando), BGH, Kisad
Skating Rink, Burnham	Skating Rink 2	4.41	70	
Camp 8	Camp 8- 1	31.50	500	Dagsian-Lower, Dagsian-Upper, DPS Compound, Gabriela Silang, Greenwater
Camp 8	Camp 8-2	3.78	60	Village Hillside, Marcoville, Military Cut-
BWD Compound	BWD Office	3.15	50	off, South Drive, Sta. Escolastica
City Camp Proper	City Camp	6.93	110	Asin, Lourdes Subdivision Extension, Lourdes Subdivision-Lower, Lourdes Subdivision-Proper, Dominican Hill, Mirador Hill, Rock Quarry-Middle, Queen of Angels / Apostle, Ferguson-Upper, Upper Naguilian , Queen of peace
City Camp Lagoon	City Camp Lagoon	8.19	130	
Hilltop, Market	Hilltop	5.67	90	Hilltop, Private Road-Magsaysay, Kayang-Hilltop, Sto. Nino Slaughter
Kisad	Kisad	7.25	115	For Water delivery fetching point
Kayang Street	Market 2	13.55	215	Market (Bagong Lipunan), Kayang Extension, P. Burgos area
Evangelista	Evangelista	5.04	80	North Sanitary Camp, Old Lucban
Kisad	Kisad	7.25	115	For Water delivery fetching point
Bakakeng, Old Site	Ramsey	22.05	350	Bakakeng Central, Bakakeng Norte/Sur, SLU- SVP Housing Project, Campo Sioco,
Lower Kitma	Richview	22.05	350	Legarda Kitma, Crystal Cave
Busol, Ambiong	Ambiong 1	10.71	170	Ambiong, Aurora Hill North-Central,

LOCATION OF WATER SOURCE	LOCATION (Pumps / Deepwell)	CAPACITY		BARANGAY SERVED
		(LPS)	(GPM)	
				Aurora Hill South Central, Bayan Park-East Bayan
Busol, Ambiong	Ambiong 3	15.75	250	Park, Bayan Park Village, Bayan Park - West
Busol, Ambiong	Ambiong 4	12.60	200	Bayan, Brookside, Brookspoint, Lopez Jaena Modern Site-East Modern Site, Modern Site-West Modern Site, San Antonio Village
Busol Ambiong	Ambiong 5	22.05	350	
Ambiong	Irisan 2	4.41	70	
Pacdal	Amsing 2	3.78	60	Siapno, Part of Navy Base
Pacdal	Pacdal	8.19	130	Pacdal, Minesview, Lualhati, Gibraltar
Sanitary Camp	BSTP	4.41	70	South Sanitary Camp
Lower Quirino Hill	Buyog 2	8.19	130	Quirino Hill East, Quirino Hill Lower, Quirino Hill
Magsaysay Rd	Old lucban	9.45	150	Middle, Quirino Hill West, Dizon Subdivision, Pinget
Brookside	CBL 2	9.45	150	Brookside, Imelda Village
CM Recto, Navy Base	CM Recto	19.53	310	Saint Joseph Village
Ferguson	Easter 2	12.60	200	Gen. Emilio, F. Aguinaldo, Guisad Central,
Ferguson	Ferguson	3.78	60	Guisad Surong, Badihoy, Janbee Village,
Guisad Road	Guisad	7.56	120	Ferguson, Leonor Rivera, Bado Dangwa
Engineer's Hill	Engineer's Hill	9.45	150	Engineers Hill
Gibraltar Road	Gibraltar	4.10	65	Pacdal, Mines View, Lualhati, Gibraltar
Happy Glenn, Salud Mitra	Happy Glen	11.34	180	Upper General Luna
Honeymoon Road	Honeymoon	14.49	230	Holyghost Extension, Holyghost Proper, Honeymoon-Holyghost
M. Roxas Street	M. Roxas 1	20.16	320	Alfonso Tabora, New Lucban-Lower, Trancoville, Camdas Subdivision, Happy Homes-Old Lucban
Tacay, Pinsao	Pinsao 1	7.56	120	Pinsao Pilot Project, Pinsao Proper
Tacay Road	Pinsao 2	12.60	200	Quezon Hill, Tam-awan, Upper San Carlos,
Tam-awan	Tam-awan	13.23	210	Heights , Fairview, Victoria Village
Teachers Camp	Teachers Camp 2	16.70	265	Cabinet Teachers Camp, Outlook Drive, Country Club Village

LOCATION OF WATER SOURCE	LOCATION (Pumps / Deepwell)	CAPACITY		BARANGAY SERVED
		(LPS)	(GPM)	
BGH Compound	BGH Deepwell	5.67	90	BGH Area
Bakakeng	Lagman 1	18.90	300	Bakakeng Central, Bakakeng Norte/Sur, SLU-SVP Housing Project, Campo Sioco, Legarda
Bakakeng	Lagman 2	35.91	570	
Pinesville Subdivision	Pinesville	2.84	45	Pinesville
City Hall	City Hall DW	12.60	200	Cresencia Village
Naguilian Road	Irisan 1	59.22	940	San Carlos, Irisan Area, Asin Road, San Luis extension
Naguilian Road	Irisan 2	15.75	250	
Malvar	Malvar	8.19	130	Malvar, Trancoville, Leonila Hill
Teodora Alonzo St.	T. Alonzo	14.49	230	T. Alonzo, New Lucban

Source: Baguio Water District

Table 109: Water Consumption (CU.M.)

TYPE	2017	2018	Difference	Percent Change
Residential A	5,065,778	4,822,549	243,229	4.80
Residential B	1,651,110	1,896,657	245,547	14.87
Residential C	143,909	142,793	1,116	0.77
Residential D	6,438	-		
National Gov't	313,332	284,210	2,9122	9.29
City Government	130,523	138,866	8,343	6.39
Commercial A	731,125	1,007,590	276,465	37.81
Commercial B	1,552,899	1473,827	79,072	5.09
Commercial C	30,983	36,988	6,005	19.38
Commercial D	-	92		
Wholesale	7428	275	7153	96.30
Metered Deepwell	46,089	48,096	2,007	4.35
Pinesville				
Fire Hydrants				
Recovery		18,571		
EPZA	Voluntary disconnection as of July 2015			
Water Deliveries	58,471	51,877	6594	11.28
Water Hauling				
TOTAL	9,738,085	9,922,391	184,306	1.89

Source: Baguio Water District

Table 110: Number of Concessionaires served

TYPE	2017	2018	Difference	Percent Change
Residential A	29,943	29,712	-231	-0.77
Residential B	6,048	6,611	563	9.31
Residential C	668	687	19	2.84
Residential D	31			
National Government	222	225	3	1.35
City Government	109	111	3	2.75
Commercial A	1,263	1,370	107	8.47
Commercial B	3,584	3,694	110	3.07
Commercial C	103	109	6	5.82
Wholesale	2	2		
Metered Deepwell	6	6		
Fire Hydrants				
Pinesville				
TOTAL	41,979	42,527	548	1.31

Source: Baguio Water District

Water consumption of the City increased by 1.89 percent in 2018. The water supply of the City is dependent on deepwells being managed by the Baguio Water District and open sources located at Mount SantoTomas rain water basin and a water impounding dam located at Busol Watershed Reservation. Total number of concessionaires served noted a minimal increase of 1.31 percent with 42,527 in 2018.

Table 111: Number of connections per Barangay, 2018

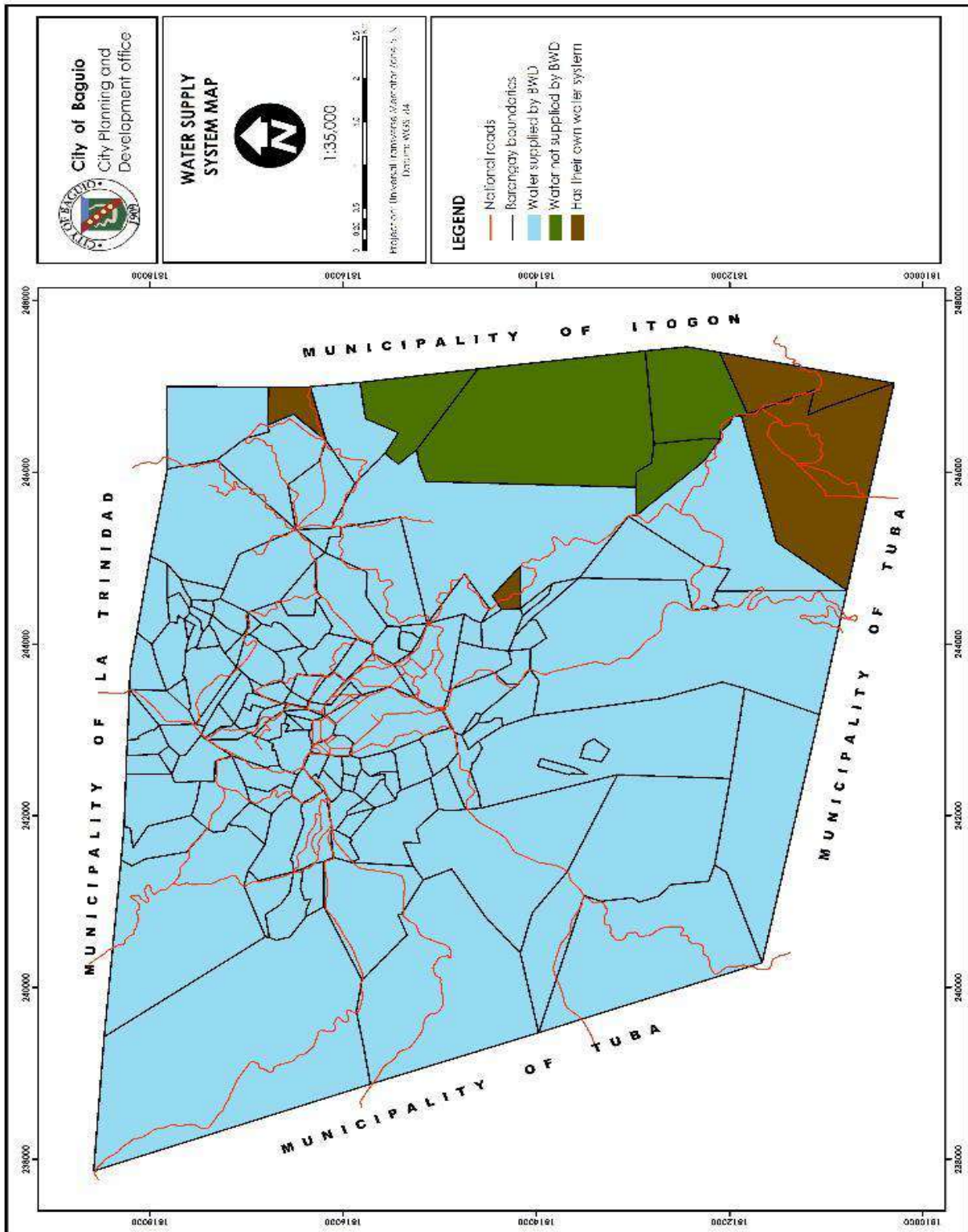
BARANGAY	NUMBER OF CONNECTIONS	Estimated no. of Households (no. of connections x5)	BARANGAY	NUMBER OF CONNECTIONS	Estimated no. of Households (no. of connections x5)
ABCR	539	2695	Lourdes Proper	122	610
Alfonzo Tabora	170	850	Lower Dagsian	57	285
Ambiong	397	1985	Lower General Luna	60	300
Andres Bonifacio	269	1345	Lower Lourdes	93	465
Asin	1369	6845	Lower Magsaysay	163	815
Aurora Hill/Proper/ Malvar Floresca	136	680	Lower QM	332	1660
AZCKO	117	585	Lower Quirino Hill	158	790
Bagong Lipunan	183	915	Lower Rock Quarry	262	1310
Bakakeng Central	1895	9475	Lualhati	229	1145
Bakakeng Norte/Sur	2901	14505	Lucnab	2	10
Bal-Marcoville	134	670	Malcom Square- Perfecto	44	220
Balsigan San Luis	142	710	Manuel Roxas	176	880
Bayan Park Proper	156	780	Middle Quezon Hill	220	1100
BGH Compound	382	1910	Middle Quirino Hill	152	760
Brookside	171	855	Middle Rock Quarry	203	1015
Brookspoint	154	770	Military Cut-off	323	1615
Cabinet hill — Teacher's Camp	587	2935	Mines View Park	96	480
Camdas	221	1105	New Lucban	555	2775

Baguio City Ecological Profile | 2018

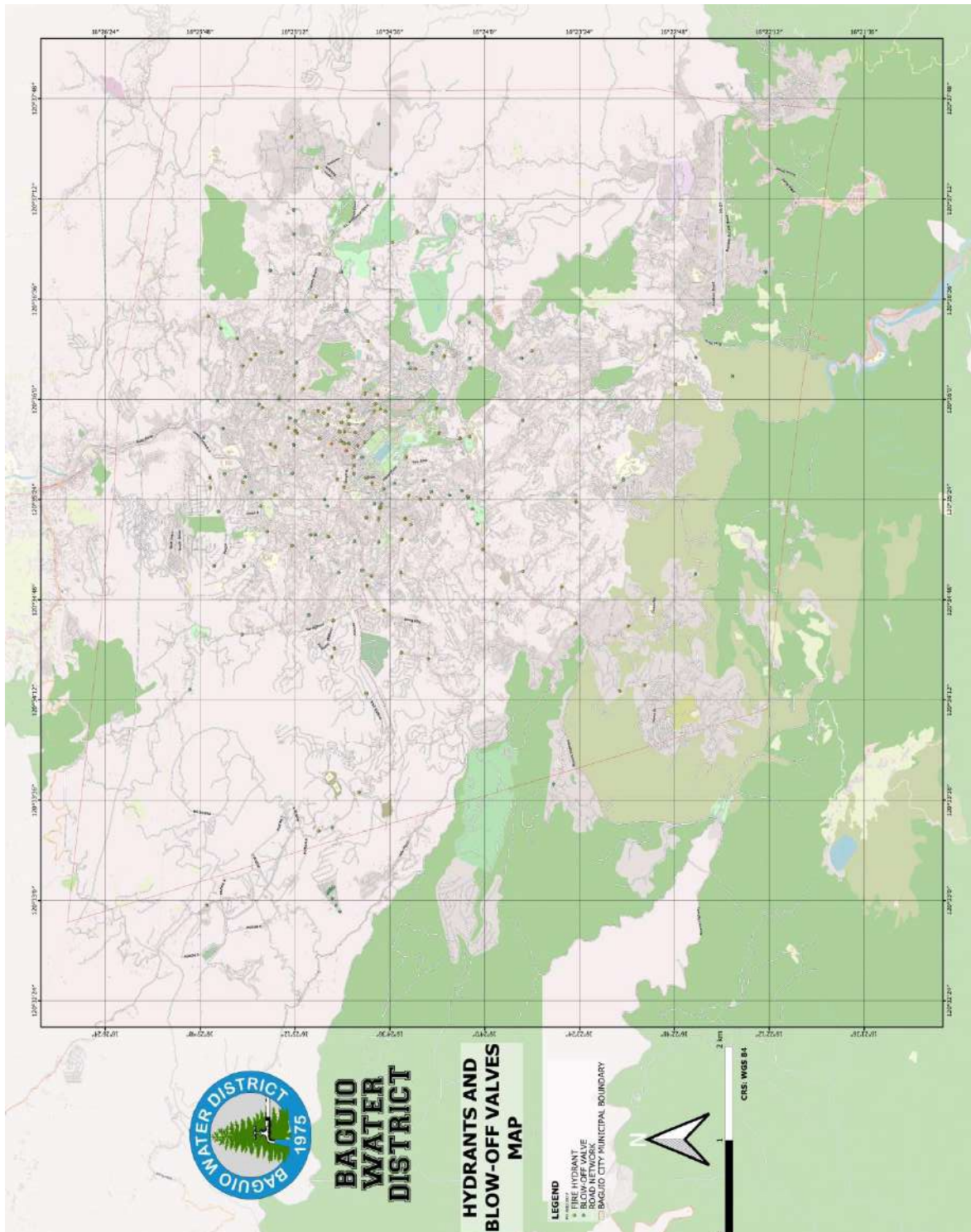
BARANGAY	NUMBER OF CONNECTIONS	Estimated no. of Households (no. of connections x5)	BARANGAY	NUMBER OF CONNECTIONS	Estimated no. of Households (no. of connections x5)
Camp 7	2276	11380	North Central Aurora Hill	113	565
Camp 8	260	1300	North Sanitary Camp	116	580
Camp Henry Allen	364	1820	Outlook Drive	53	265
Campo Filipino	233	1165	Pacdal	603	3015
Campo Sioco/Ferdinand	202	1010	Padre Burgos	256	1280
City Camp Central	230	1150	Padre Zamora	162	810
City Camp Proper	240	1200	Palma Urbano	198	990
Country Club Village	135	675	Phil-Am Compound	29	145
Crecencia Village	171	855	Pinget	805	4025
Dizon Subdivision	344	1720	Pinsao Pilot Project	357	1785
Dominican Mirador	546	2730	Pinsao Proper	613	3065
Dontogan	907	4535	PMA Fort del Pilar	377	1885
DPS Compound	165	825	Private Road Magsaysay	82	410
East Bayan Park	158	790	Pucusan	99	495
East Modern Site — Gil Puyat	451	2255	Puliwes	153	765
East Quirino Hill	35	175	Queen of Peace	275	1375
Engineer'S Hill	539	2695	Quezon Hill Proper	409	2045
Faiwiew	713	3565	Rizal Monument	69	345
Gabriela Silang	250	1250	Salud Mitra	310	1550
Gibraltar	663	3315	San Luis Village	1036	5180
Green Water Village	74	370	San Roque Village	113	565
Guisad Central	521	2605	San Vicente	561	2805
Guisad Surong	202	1010	Session Road Gov. Pack	146	730
Happy Hollow	-	-	South Central Aurora Hill	168	840
Happy Homes /Old Lucban	309	1545	South Drive	110	550
Harrison Carantes	65	325	South Sanitary Camp	198	990
Hillside	172	860	Saint Joseph Village	698	3490
Holyghost Extension	338	1690	Sta. Escolastica	202	1010
Holyghost Hill Proper	266	1330	Sto Nino Slaughter Copd	278	1390
Honeymoon	876	4380	Sto Rosario Valley	236	1180
Imelda Marcos	250	1250	Sto Tomas School Area	82	410
Imelda Village	278	1390	Sto Tomas Proper	1202	6010
Irisan	3323	16615	Teodora Alonzo	205	1025
Kabayananhan	67	335	Trancoville	885	4425
Kagitingan	72	360	Upper Dagsian	4	20
Kayang — Hilltop	242	1210	Upper General Luna	291	1455
Kayang Extension	222	1110	Upper Magsaysay	82	410
Kias			Upper Market Subdivision	125	625
Kisad-Legarda	278	1390	Upper QM	455	2275
Leonila Hill/West Bayan Park	375	1875	Upper Quezon Hill	268	1340
Liwanag Loakan	421	2105	Upper Rock Quarry	178	890
Loakan Proper	1018	5090	Victoria Village	260	1300
Lopez Jaena	328	1640	West Modern Site	274	1370
Lourdes Extension	222	1110	West Quirino Hill	146	730
Total	number of connections	45,253	Estimated no. of Households	226,265	

Source: Baguio Water District

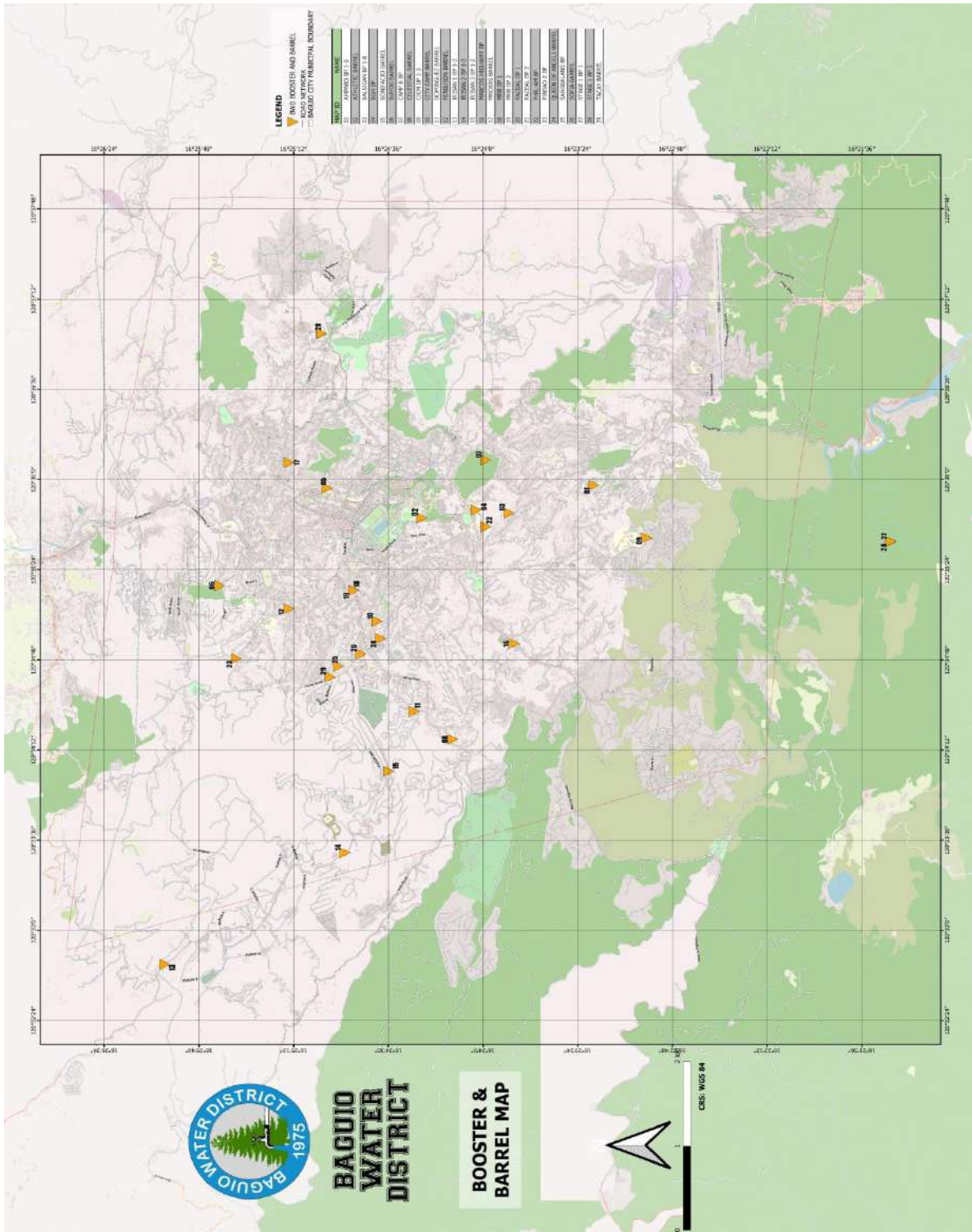
Baguio Water District (BWD) provides potable water to One Hundred Twenty One (121) out of One Hundred Twenty Nine (129) Barangays in the City. Fort del Pilar barangay is served by PMA water system, Kias is served by Jaime V. Ongpin Foundation, Inc. (JVOFI) in partnership with Water Consumers Association of Kias, Inc. (WCAK), Scout Barrio is served by Camp John Hay water system. Loakan- Apugan and Atok Trail barangays are served by private water deliveries. Spring is the main water source of Pucusan and Happy Hollow barangays.



Map 21. Water Supply System Map



Map 22. Hydrants and blow-off valves Map



Map 23. Booster and Barrel Map

ENVIRONMENTAL MANAGEMENT

Table 112: Solid Waste Management

SECTOR	2017	2018	Difference	Percent Change
Solid Waste Generation (kg./capita/day)	0.4193	0.4193	-	0.00
Ave solid Waste Density/kgs/m3	348.76	348.76	-	0.00
Est'd Total MT collected/day	220	245	25	11.36
Est'd Ave. MT collected/vehicle/day	17	18	1	5.88

Source: General Services Office

Solid waste generation (kg/capita/day) was pegged at 0.4193 for 2017 and 2018 while estimated Total metric tons collected/day and estimated average metric tons collected/ vehicle/ day recorded an increase of 11.36 percent and 5.88 percent, respectively. The City government has a total of 19 garbage trucks that collect solid wastes entire the City. Collection of solid wastes at the central business district are collected twice a day and collection of wastes at barangays one a week. The collected wastes are transferred to the city’s transfer station situated at the Baguio Dairy farm lot on a no touch down policy wherein a private hauler immediately haul the wastes to Urdaneta City, Pangasinan sanitary landfill.

Baguio City’s waste composition based on Waste Assessment and Characterization Study (WACS) is characterized by 41.67 percent biodegradables, 33.78 percent recyclables, 24.15 percent residuals and 0.41 percent special wastes.

Solid wastes are collected via the city’s government fleet of 19 units of six-wheeler trucks and two (2) units of compactors.

Table 113: Waste Water Management

SECTOR	2017	2018
BIOCHEMICAL OXYGEN DEMAND		
Raw (mg/l)	514	466
Treated (mg/l)	22	23
% Removal	96%	95%
CHEMICAL OXYGEN DEMAND		
Raw	No data	682
Treated	No data	150
% Removal	No data	78%
INFLUENT FLOW		
Rated Capacity (m3/day)	8,600	
Ave Actual inflow (m3/day)	6,955.16	6,872.72
	80.87%	79.92%

Source: CEPMO, Baguio City

The city's sewage treatment facility is in its maximum operating capacity with 8,600 cu meters per day. Wastewater that flows to the sewer lines goes to the treatment facility, Baguio Sewage Treatment Plant (BSTP) for treatment. The increase in the average actual inflow is due to the increase of permits issued for sewer connection may it be residential, commercial or institution.

AMBIENT AIR QUALITY MANAGEMENT

AMBIENT AIR QUALITY : 2018

Table 114: Burnham Station

Criteria Pollutants	Minimum	Maximum	Standard*	Air Quality Indices**
Particulate Matter(PM2.5) Real Time	1 ug/m3	40 ug/m3	50 ug/m3	Good to Fair
Particulate Matter(PM10) Real Time	4 ug/m3	136 ug/m3	150 ug/m3	Good to Fair

Source: EMB,DENR-CAR

AMBIENT AIR QUALITY: 2017

Table 115: Burnham Station

Criteria Pollutants	Minimum	Maximum	Standard*	Air Quality Indices**
Particulate Matter(PM2.5) Real time	2 ug/m3	39 ug/m3	50 ug/m3	Good to Fair
Particulate Matter(PM10) Real Time	6 ug/m3	133 ug/m3	150 ug/m3	Good to Fair

Source: EMB,DENR-CAR

Ambient Air Quality in 2017 and 2018 remained to be Good to Fair for both particulate matter 2.5 (PM 2.5) and particulate matter 10 (PM 10). Particulate Matter 10 (PM 10) for Session Road is recorded as Good to Fair for both 2017 and 2018.

Table 116: Lower Session Road Station, 2018

Criteria Pollutants	Minimum	Maximum	Standard*	Air Quality Indices**
Particulate Matter(PM10) Manual	16 ug/m3	121 ug/m3	150 ug/m3	Good to Fair

Source: EMB,DENR-CAR

Table 117: Lower Session Road Station, 2017

Criteria Pollutants	Minimum	Maximum	Standard*	Air Quality Indices**
Particulate Matter(PM10)	36 ug/m3	135 ug/m3	150 ug/m3	Good to Fair
Real Time				

Source: EMB, DENR-CAR

SLAUGHTERHOUSE

The city operates and maintains its abattoir located Barangay Sto. Niño, Slaughter area under the supervision of the City Veterinary Office and incharge of inspection of butchered animals fit for human consumption. The slaughter house is being improved and rehabilitated with the standards of a class "AA" abattoir as per the standards of the National Meat Inspection Commission.

CEMETERY SITES

The existing public cemetery is located along Naguillian Road and there are cemeteries being maintained by the barangays located at Bakakeng Norte, Pinsao Proper and Loakan Proper.

The city has also privately owned memorial parks, Pyramid Memorial Park, Everlasting Memorial Park located Kias Barangay , Baguio Memorial Park located at Naguillian Road and Heaven's Garden Memorial Park located at Loakan Proper Barangay.

PUBLIC CITY MARKET

Baguio City public market is located within the central business district wherein fresh produce from neighbouring municipalities of Benguet and nearby provinces of La Union, Pangasinan sell their products. The public city market is also one of tourist attraction of Baguio City where tourists converge to buy freshly produced products, souvenir items and the like before departing to their respective provinces.