

SOCIAL SECTOR

EDUCATION

I. EXISTING PROFILE

A. ELEMENTARY

Angono caters both Public and Private Schools, from Pre-Elementary, Elementary, Secondary and Tertiary levels. Three Public High Schools, Angono National High School, Carlos “Botong” Memorial National High School and Regional Pilot for the Arts, including two Annexes, Angono NHS-Dr. Vivencio B. Villamayor Annex and CBFMNHS Annex, were situated in Angono. Moreover, five Public Elementary Schools namely Angono Elementary School, Doña Justa Guido Memorial School, Doña Nieves Songco Memorial School, Joaquin Guido Elementary School and San Vicente Elementary School were also located in the different areas of the municipality. Based on the records of the Business Permit and Licensing Office, 20 Private Schools, Montessori and Learning Centers were operating in Angono. Further, two Tertiary schools were situated in Angono namely University of Rizal System-Angono Campus and the ICCT Colleges-Angono Campus. The Government also provides learning centers through RICs and Day Care Centers, which were operated and supervised by the Municipal Agriculture Office and the Municipal Social Welfare and Development Office respectively. The total area occupied by these schools is approximately twenty (20) hectares or more.

The total enrolment for the school year 2011-2012 for elementary level is 11,336. Out of which, a total of 2,760 enrollees come from the private schools. There are a total of 364 teachers, 120 of which are from private schools. The number of classrooms total 310 with the private schools contributing 111 classrooms.

The average Teacher-Pupil ratio in the public elementary schools is 1:47 while in the private schools, 1:20. The average Classroom-Pupil ratio in public elementary schools is 1:59, and 1:23 in the private schools. Angono Elementary School was noted to have the highest enrollees at 3,472 and highest student classroom ratio at 1:53. The highest classroom to pupil ratio is in Dona Nieves Songco Elem. School at 1:99. (*Table 2*)

Table 1. SCHOOLS BY LEVEL, TYPE, FACILITIES, AND CONDITION, S.Y. 2011 – 2012

School	Location (Barangay)	Area	Type		Facilities and Condition							
		Occupied (in has.)	Public	Private	Lab.	Shop	Library	Sports	Adm. Office	Clinic	Comfort Room	Play-ground
ELEMENTARY												
1. Angono Elementary School	San Isidro	1.242	x		N	N	P	N	P	C	P	N
2. Dona Justa Guido Elementary School	San Roque	3.760	x		N	G	N	G	G	N	G	G
3. Dona Nieves Songco Elementary School	Mahabang Parang	2	x		N	N	N	N	G	N	P	N
4. Joaquin Guido Elementary School	San Isidro	5.797	x		G	N	N	G	G	N	C	N
5. San Vicente Elementary School	San Vicente	6.762	x		G	G	G	G	G	N	P	G
6. Marriev of Light School	San Vicente	0.024		x	P	G	G	G	P	N	G	G
7. Angono Christian School Inc.	San Isidro	0.05		x	G	N	G	N	G	G	G	G
8. Blanco Family Academy	San Vicente	0.15		x	G	G	G	G	G	G	G	G
9. Gingergrace Acaderme	San Vicente	0.08		x	G	G	G	G	G	G	G	G
10. Raises Academy	San Pedro	0.15		x	G	G	G	G	G	G	G	G
11. New Hope in Faith School	San Isidro	0.08		x	G	N	G	G	G	G	G	G
12. Holy Deliverance	San Isidro	0.168		x	G	P	G	P	G	P	G	P
13. St. Martin Montessori	San Isidro			x	G	G	G	G	G	G	G	G
14. Young St. John	San Isidro	0.024		x	G	G	G	G	G	G	G	N
15. Colegio de San Clemente	Poblacion Ibaba	No record available		x	G	N	G	N	G	G	G	N
16. Christ the King College	San Isidro	No record available		x								
TOTAL		20.119										

SECONDARY												
1. Angono National High School	Kalayaan	1.02	x		G	G	G	G	G	N	C	G
2. Carlos Botong Francisco MNHS	Mahabang Parang	0.5166	x		G	G	P	G	P	G	G	G
G3. Regional Pilot School for the Arts	San Isidro	0.30	x		G	N	P	G	G	G	G	G
4. Blanco Family Academy	San Vicente	0.15		x	G	G	G	G	G	G	G	G
5. Angono Private High School	San Roque	0.1539		x	G	G	G	N	G	G	G	G
6. Gingergrace Academe	San Vicente	0.08		x	G	G	G	G	G	G	G	G
TOTAL		2.2205										

Source: *DEPED District Office, Actual Survey*

Condition of Facility:

- G – Good – well maintained/serviceable
- P – Poor – needs improvement
- C – Critical- for those requiring priority actions
- N – None – or no such facility

Other facilities:

Computer room/laboratory, multi-purpose halls/auditorium, etc.

**Table 2: STUDENT-TEACHER AND STUDENT-CLASSROOM RATIO BY LEVEL
S.Y. 2011-2012**

Type/Level	Enrolment	No. Of Teachers	No. Of Classrooms	Student-Teacher Ratio	Student-Classroom Ratio
ELEMENTARY					
Private:					
1. Marriev of Light School	80	6	7	1:13	1:11
2. Angono Christian School Inc.	118	14	10	1:8	1:12
3. Blanco-Family Academy	195	12	9	1:16	1:22
4. Gingergrace Academe	315	21	20	1:15	1:16
5. Raises Academy	380	10	12	1:38	1:32
6. New Hope in Faith School	48	6	8	1:8	1:6
7. Holy Deliverance	201	8	5	1:25	1:40
8. St. Martin Montessori	1,013	20	20	1:50	1:50
9. Young St. John	59	8	8	1:7	1:7
10. Colegio de San Clemente	351	15	12	1:23	1:29
11. Christ the King College	No record available				
Total	2,760	120	111	1:20	1:23
Public:					
1. Angono Elem. School	3,472	75	66	1:46	1:53
2. Dona Justa Guido Elem. School	883	18	20	1:49	1:44
3. Dona Nieves Songco Elem. School	2,694	55	27	1:49	1:99
4. Joaquin Guido Elem. School	2,532	59	51	1:43	1:50
5. San Vicente Elem. School	1,755	37	35	1:47	1:50
Total	11,336	244	199	1:47	1:59
SECONDARY					
Public					
1. Angono National High School	5,272	114	46	1:46	1:115
2. Carlos Botong Fracisco MNHS	2,212	52	38	1:70	1:70
3. Regional Pilot School for the Arts	334	13	7	1:26	1:48
Total	7,818	179	91	1:44	1:86
Private					
1. Angono Private High School	1,068	32	17	1:45	1:45
2. Blanco Family Academy	87	4	4	1:22	1:22
3. Gingergrace Academe	202	12	11	1:17	1:18
4. New Hope in Faith School	12	6	4	1:2	1:3
5. Holy Deliverance	150	6	5	1:25	1:30
6. St. Martin Montessori	666	16	16	1:42	1:42
7. Raises Academy Inc.	144	6	7	1:24	1:21
8. Colegio de San Clemente	430	20	14	1:22	1:30
9. Christ the King College	No record availbale				
Total	2,759	96	78	1:29	1:35

Source: DEPED District Office, Actual Survey

B. HIGH SCHOOL

High school education is provided by three(3) public and nine (9) private schools. These schools were located in the different areas of the municipality. The Angono National High School accounts for the highest number of enrollees at 5,272 followed by the Carlos Botong Francisco Memorial National High School at 2212. The total area occupied by these schools, with the exception of the private schools, is more than 2 hectares.

The highest teacher and classroom to student ratio for public high school is 1:44 and 1:86 while in private is 1:29 and 1:35.

Table 3. TERTIARY AND VOCATIONAL/TECHNICAL SCHOOLS BY ENROLLEES AND COURSES OFFERED, S.Y. 2011 TO 2012

Name of School	Location (Barangay)	Area (hectare)	Type (Public/Private)	No. of Enrollees
Tertiary:				
University of Rizal System-Angono Campus	San Isidro	0.1170	Public	2,296 (1 st &2 nd Sem)
ICCT Colleges-Angono Campus	San Roque	No record available	Private	195
Vocational/Technical:				
TESDA, Angono	Angono Livelihood & Creative Training Center, San Isidro; Training Center, Kalayaan	0.0040	Public	139
Total		0.121		2,634

Source: Actual Survey, TESDA

C. TERTIARY/VOCATIONAL SCHOOLS

The University of Rizal System, located in Brgy. San Isidro and ICCT College situated in Bgy. San Roque are the institute offering tertiary educations. The URS offers courses such as Bachelor of Arts in Mass Communication (major in Journalism), Bachelor of Arts in English, Bachelor of Fine Arts (major in Advertising), Bachelor or Music (major in Music Education), Bachelor of Technology/Science in Hotel and Restaurant Management, Bachelor of Secondary Education (major in English, Filipino & MAPEH), Bachelor of Elementary Education (major in General Education), Bachelor of Science in Tourism and Diploma in Architectural Drafting. TESDA-Angono specializes in Beauty Care and Hairdressing, Massage Therapy and Shielded Metal Arc Welding. The total area occupied by the schools is approximately 0.121 hectares. (See *Table 3*).

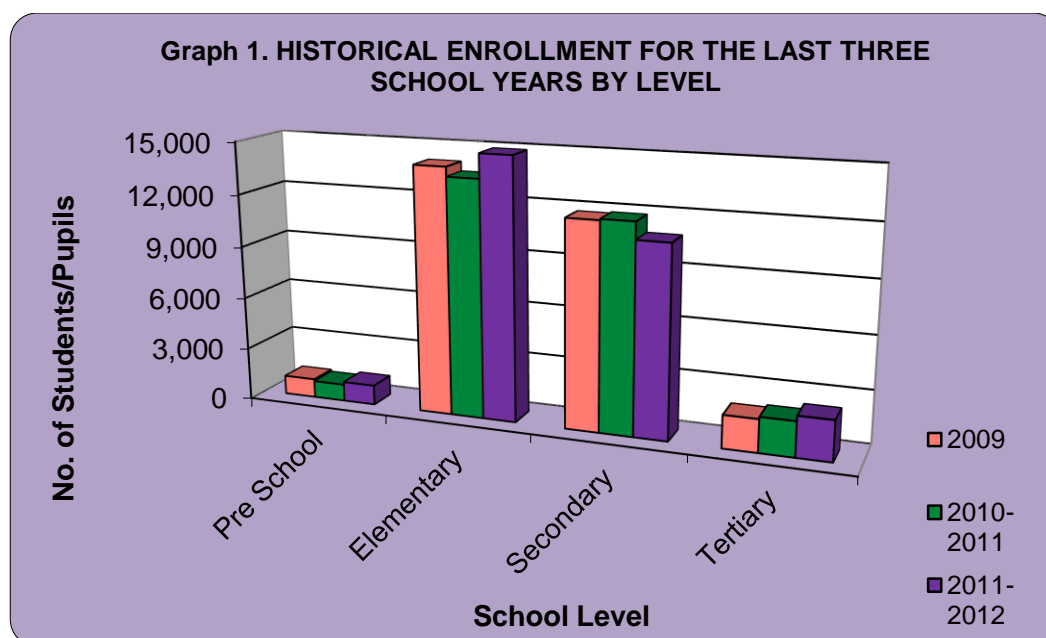
D. HISTORICAL ENROLMENT BY LEVEL

For the last three (3) school years (2009-2010; 2010-2011; and 2011-2012), there was a noted steady increase in enrolment in all three levels of education except in 2010-2011 and 2011-2012. In those years, enrolees in the Pre School and elementary level decreased by 7.67% and 3.9% and secondary level dropped 8.2% respectively. This decrease was contributed by Angono National High School and all the public elementary schools. In the school year 2011-2012 highest increase of 15.2 % occurred in the tertiary enrolment during SY 2011-2012. (See *Table 4*)

Table 4. HISTORICAL ENROLLMENT FOR THE LAST THREE SCHOOL YEARS BY LEVEL, Year 2009-2012

LEVEL	2009	2010-2011		2011-2012	
	NO.	NO.	INCREASE/DECREASE (%)	NO.	INCREASE/DECREASE (%)
Pre-School	1,573	1,461	-7.67	1,623	9.89
Elementary	14,046	13,502	-3.9	14,879	10.2
Secondary	11,727	11,798	0.6	10,825	-8.2
Tertiary	1,865	1,993	6.9	2,296	15.2
TOTAL	29,211	28,754	-1.59	29,623	2.93

Source: Dep-Ed District Office, actual survey, Office of the Agriculture, DSWD



Source: Dep-Ed District Office, actual survey, Office of the Agriculture, DSWD

E. SCHOOL PARTICIPATION RATE

As presented in Table No. 5, the school participation rate considering the School-going Age of 2007 Census is projected in 2012, and 43,258 individuals comprises the total number of expected scholastic enrollees in Angono's population while the actual enrollees for the school year 2011-2012 is far too low of 29,623 or 68.48% lower. 16,859 individuals (aged 13-17) are most likely to enrol in the Elementary level at the same time the real enrollees is lower by 1,980. It is noted that 8,176 of the population (aged 18-21) tends to enrol in Tertiary level and actual number of enrolled student is 2,296 (280.82% lower).

Table 5. PROJECTED SCHOOL PARTICIPATION RATE AND ACTUAL ENROLLEES PARTICIPATION RATE, Year 2012

School Level	Population of School Going Age 2007	Projection Population of School Going Age 2012	Participation Rate	Actual Number of Enrollees 2011-2012	Participation Rate
Pre-school	6,406	7,121	16.46%	1,623	5.48%
Elementary	15,166	16,859	38.97%	14,879	50.23%
Secondary	9,987	11,102	25.66%	10,825	36.54%
Tertiary	7,354	8,176	18.90%	2,296	7.75%
Total	38,913	43,258	100%	29,623	100%

Source: 2007 Census on Population and Housing, Dep-Ed District Office, Actual Survey

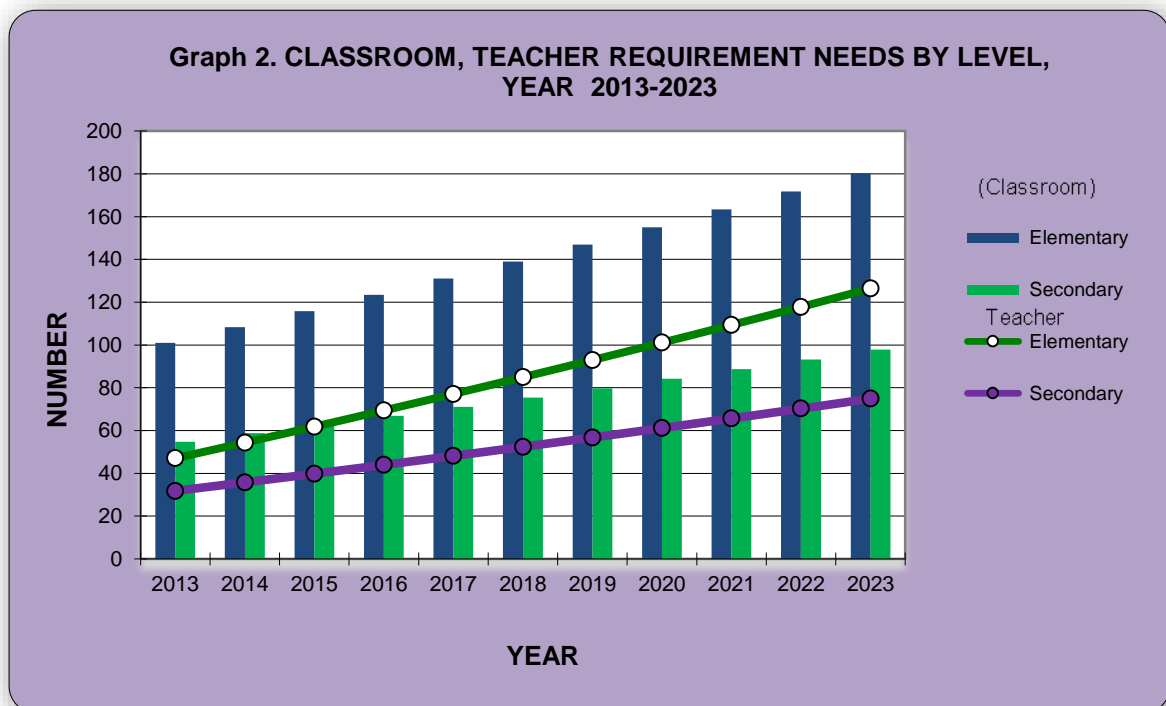
F. MUNICIPAL LIBRARY

The municipal Library is located in the municipal hall. The facility is under the supervision of the Office of the Vice Mayor and provides library services to the area.

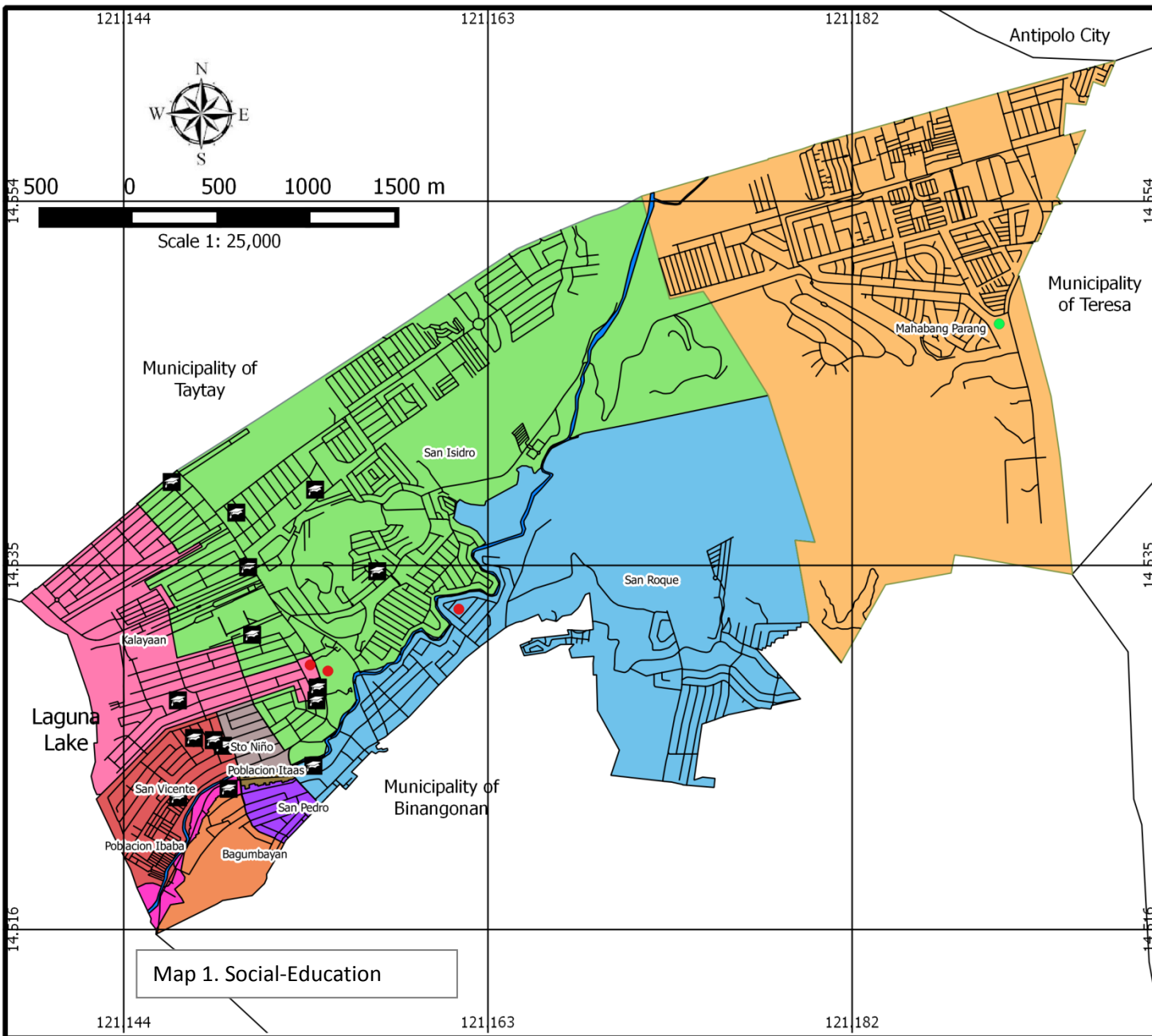
II. CURRENT AND PROJECTED DEVELOPMENT NEEDS

There is a noted lack of school facilities such as library, shop, clinic, and playgrounds, in both public elementary and high schools. Even the existing ones are in dire need of upgrading and repair due to their critical/poor conditions. It appears that only the private schools have good existing facilities.

There is apparent lack of teachers and classrooms in the public elementary while high schools level has sufficient number of teachers until the planning period. Angono National High School and Dona Nieves Songco Elementary School is noted teacher to student ratio beyond the standard ratio of CHED which is 1:35. Although the number of teachers and classrooms are projected to increase slightly, the present number is not sufficient to accommodate the projected increase in the school-going age population. The number of teachers and classrooms were projected based on the highest ratio of teacher/classroom to pupil/student during the school year 2011-2012 as shown in *Table 6*.



Source: Projected School-Age Population from 2007 Census on Population and Housing



SOCIO - EDUCATION MAP

Municipality of ANGONO
Province of Rizal
Region IV-A
As of 2016



Legend :

SCHOOL CONDITION

- FAIR
- GOOD
- POOR

- River
- Road Network
- Provincial Boundary

Prepared by the Office of the MPDC
Source: Dep-Ed, Private Schools

Map 1. Social-Education

Table 6. PROJECTED CLASSROOM, TEACHER REQUIREMENTS BY LEVEL, Year 2013-2023

LEVEL	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Projection Enrollment	27,961	28,459	28,965	29,481	30,006	30,540	31,083	31,637	32,200	32,773	33,356
Elementary	16,859	17,159	17,465	17,776	18,092	18,414	18,742	19,076	19,415	19,761	20,112
Secondary	11,102	11,299	11,501	11,705	11,914	12,126	12,341	12,561	12,785	13,012	13,244
Classroom	280	294	308	322	336	350	365	380	395	411	427
Elementary	172	180	189	198	207	216	225	235	245	255	265
Secondary	109	113	119	124	129	134	140	145	151	156	162
Teacher	203	217	231	245	259	273	288	303	318	334	350
Elementary	118	126	135	144	153	162	171	181	191	201	211
Secondary	86	90	96	101	106	111	117	122	128	133	139

Source: *Projected School-Age Population from 2007 Census on Population and Housing*

*Based on Dep-ed target Classroom-Student and Teacher-Student ratio by 2010 as follows:

Elementary = 1:35

High School = 1:40

III. ANALYSIS MATRIX

The following matrix generated during for issues and concerns on education:

ISSUES AND CONCERNS	POSSIBLE INTERVENTION
1. Increasing number of out-of-school youth	Provision of formal education for out-of-school youth through technical courses
	Promotion of extra-curricular activities such as sports programs, livelihood trainings, etc.
2. Less classrooms and facilities	Sufficient budget allocation for the construction of educational facilities
	Construction, renovation, repair of school buildings and classrooms
	Purchase of basic school equipment, materials, apparatus, etc.
3. Available scholarship grants for qualified students	Sufficient budget allocation intended for scholarship programs and grants
4. Literacy rate and competence of students and teachers	Enhance expertise on subject discussion through hands-on applications
	Hiring of qualified teachers, day care workers and substitutes
	Training and seminars for teachers
5. Huge student-teacher and student-classroom ratio	Shifting of classes and sessions (morning and afternoon shifts)
6. School prone to long term flooding	Higher elevation of school buildings and rooms
	Adaptation of new school calendar

HEALTH

I. EXISTING PROFILE

A. MEDICAL HEALTH FACILITIES AND PERSONNEL

The Municipal Angono established 2 Rural Health Units, located in Barangay San Isidro and Barangay Mahabang Parang, and 8 health stations situated in every barangay to cater free medical consultations, check-ups, vaccination and medicine distribution. The Municipality of Angono recorded 34 Medical Institutions, inclusive of 3 hospitals (1 public and 3 private) and 31 medical clinics, lying-ins and the like. Manning the Municipal Health Office is headed by the Municipal Health Officer, 3 - doctors including the MHO, 3 - nurses, 2 - volunteer nurse, 16 - nurses deployment from DOH, 11 - midwives, 1 - midwife deployment from DOH, (2) dentist, (1) medical technologist, (1) sanitary inspector, (2) Administrative Aide and (53) Barangay Health Workers-LGU Accredited. (Table 7)

**Table 7. MEDICAL HEALTH FACILITIES BY CAPACITY AND CONDITION,
As of Year 2015**

BARANGAY	TYPE OF MEDICAL HEALTH FACILITIES	CAPACITY							PHYSICAL CONDITION*
		NO. OF BEDS	NO. OF DOCTORS	NO. OF NURSES	NO. OF MIDWIFES	NO. SANITARY INSPECTORS	OTHERS	TOTAL	
1. Bagumbayan	BHS			1	1*			1	Concrete
2. Kalayaan	BHS			2	1			3	Concrete
3. Mahabang Parang	RHU II	2	1	4	6		1	14	Concrete
4. Poblacion Ibaba	BHS			1+	1**			2	Concrete
5. Poblacion Itaas	BHS			1+	1**			2	Concrete
6. San Isidro	RHU I	2	2	7	1	1	4	17	Concrete
7. San Pedro	BHS			1	1*			1	Concrete
8. San Roque	BHS			2	1			3	Concrete
9. San Vicente	BHS			2	1			3	Concrete
10. Sto. Niño	BHS			1	1*			2	Concrete
Total		4	3	21	12	1	5	48	

Source: Municipal Health Office

BHS – Barangay Health Station

RHU – Rural Health Unit

*one midwife assigned in Bgy. Bagumbayan, Sto. Niño and San Pedro

** one midwife assigned in Bgy. Poblacion Ibaba and Poblacion Itaas

++ one nurse assigned in Bgy. Poblacion Ibaba and Poblacion Itaas

The Municipal Health Center with the *partnership with private sector* (EMG Diagnostic Health Services) provide the following services for the constituent of the municipality of Angono:

1. MATERNAL AND CHILD CARE

Free Immunization

- a. BCG
- b. Pentarix (5 in 1)
- c. OPV
- d. Rota Virus
- e. Hepatitis B for new born of the current calendar year
- f. MMR
- g. Measles

Newborn Care- New Born Screening

2. SAFE MOTHERHOOD & FAMILY PLANNING

Free Pre-natal & post natal care

Free Vitamin A & FeSO₄

Free Tetanus Toxoid

Free Family Planning Method

- a. Pills
- b. Condom
- c. Intrauterine Device (IUD)
- d. Natural Family Planning
- e. Family Planning Counseling
- f. Pre-Marital Counseling

3. NUTRITION PROGRAM

- a. Operation Timbang (OPT) for children 0-71 mos.
- b. “Garantisadong Pambata” micronutrient supplementation
Vitamin A for 6mos. - 71mos.
Deworming for 12 mos.– Round I Apr.
Round II Oct.
- c. Food assistance program
- d. Food supplementation for underweight children
- e. Management of sick children

4. PREVENTION AND CONTROL OF INFECTIOUS DISEASES

DOTS – Directly Observed Treatment Short course Chemotherapy

- a. Case finding of TB Symptomatic
- b. Free TB sputum examination
- c. Free TB medicines for AFB Sputum positive & Chest x-ray referred to TBDC

Leprosy

- a. Case Findings
- b. Free MDT drugs

Sexually Transmitted Disease

- a. Counseling
- b. Syndrome management of Reproductive Tract Infection

Cancer Control

- a. Pap smear
- b. Breast examination

Animal Bite

- a. Free Anti Rabies Vaccine

Environmental Sanitation

- a. Issuance of Business Permits (Sanitary)
- b. Issuance of Health Certificate
- c. Monitoring of all establishments in order to ensure compliance to sanitary & safety standards
- d. Sanitary Complaints
- e. Toilet Bowl Distribution
- f. Water Sampling & disinfection
- g. Vector Control Program

Dengue

- a. Prevention of Dengue cases through 4S Dengue spraying (residual spraying/ fumigation in all barangay)

Malaria

- a. Free Malaria smear
- b. Free medicine for + malaria smear
- c. Free Larvaecidal
- d. Residual Spraying (indoor in endemic area.)

5. DENTAL SERVICES

- a. Free Consultation
- b. Free Oral Prophylaxis to pregnant women and to children age 1 to 5
- c. Tooth Extraction

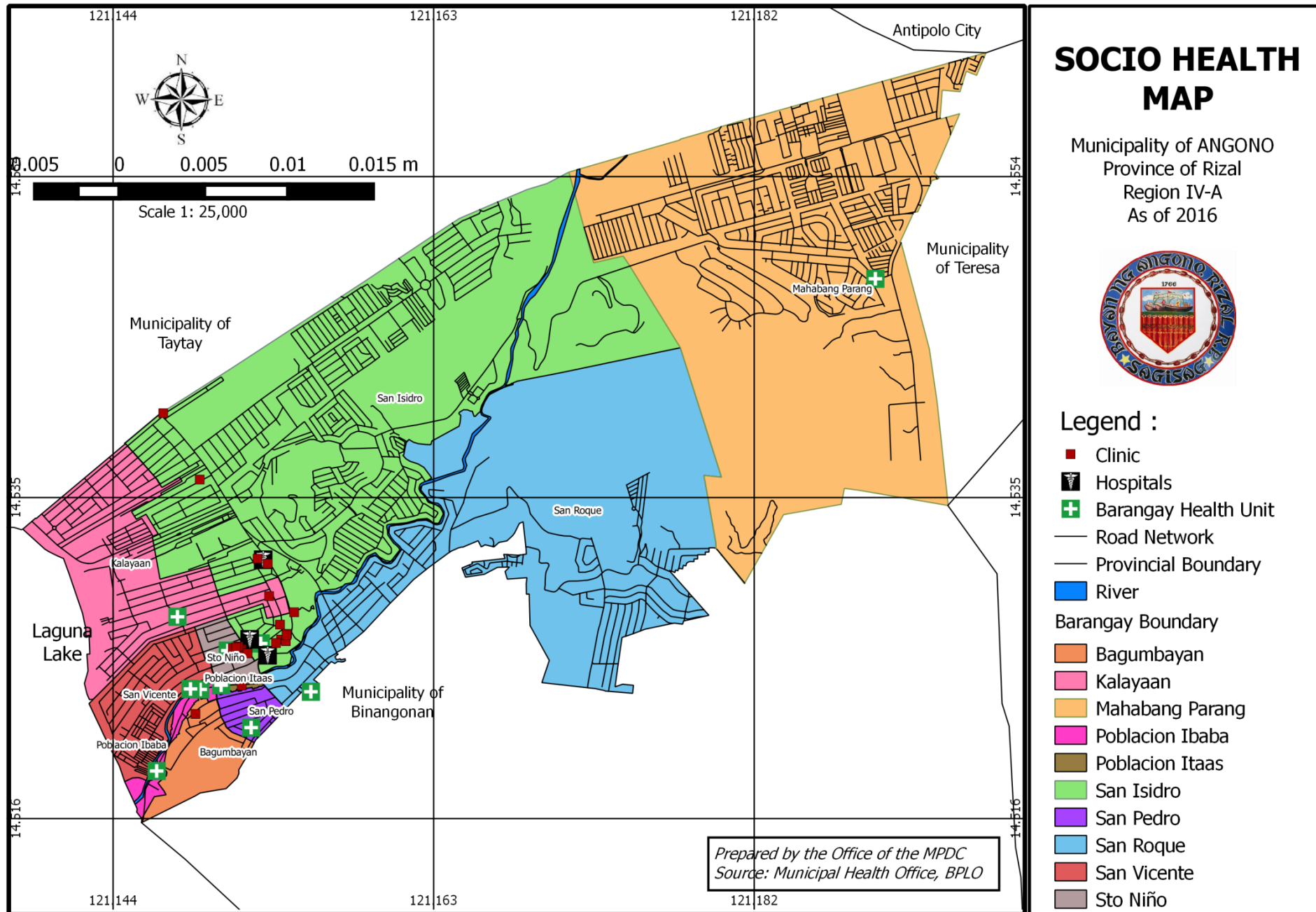
6. PHILHEALTH INDIGENCY PROGRAM/NHTS

- a. Free Consultation
- b. Free Laboratory Examination (CBC, Urinalysis, Fecalalysis, X-ray, Lipid profile)

7. DISEASE SURVEILLANCE

- a. Philippine Integrated Disease Surveillance & Response (PIDSR)

Map 2. Socio Health



The Municipality of Angono have one (1) provincial government hospital operated directly by the provincial government located at Barangay San Isidro with a capacity of 90 beds. Additionally, there are three (3) private hospitals operating in the municipality, all can be found in Baragay San Isidroas shown in Table 8.

Table 8. LIST OF HOSPITAL, Year 2015

Name of Hospital	Location	Bed Capacity	Classification	Category
Rizal Provincial Hospital System Angono Annex	125 Ibañez St. Bgy. San Isidro	90	District/ Level II	Secondary
Angono Medics Hospital	#1 Rainbow Village, Quezon Avenue, Bgy. San Isidro	87	General/ Level I	Primary
Pilar Medical and Maternity Clinic	Quezon Avenue, Bgy. San Isidro	6	General/ Level II	Secondary
San Isidro Hospital	San Isidro	20	General/ Level II	Secondary
Total		203		

Source: Rizal Provincial Health Office

203 hospitals beds are present in the different hospitals in Angono. By calculating its ratio to 1,000 population, 20.3% of the population can be accommodated by the beds. Presented below is the computation:

$$\frac{203 \text{ beds}}{1,000} = 20.3\%$$

B. GENERAL HEALTH SITUATION

The *Crude Birth Rate (CBR)* and *Crude Death Rate (CDR)* are statistical values that can be utilized to measure the growth or decline of a population. The Crude Birth Rate and Crude Death Rate are both measured by the rate of births or deaths respectively among a population of 1,000. The CBR and CDR are determined by taking the total number of births or deaths in a population and dividing both values by a number to obtain the rate per 10,000. Crude Birth Rates of more than 30 per 1,000 are considered high and rates of less than 18 per 1,000 are considered low. Crude Death Rates of below ten are considered low while Crude Death Rates above twenty per 1000 are considered high.

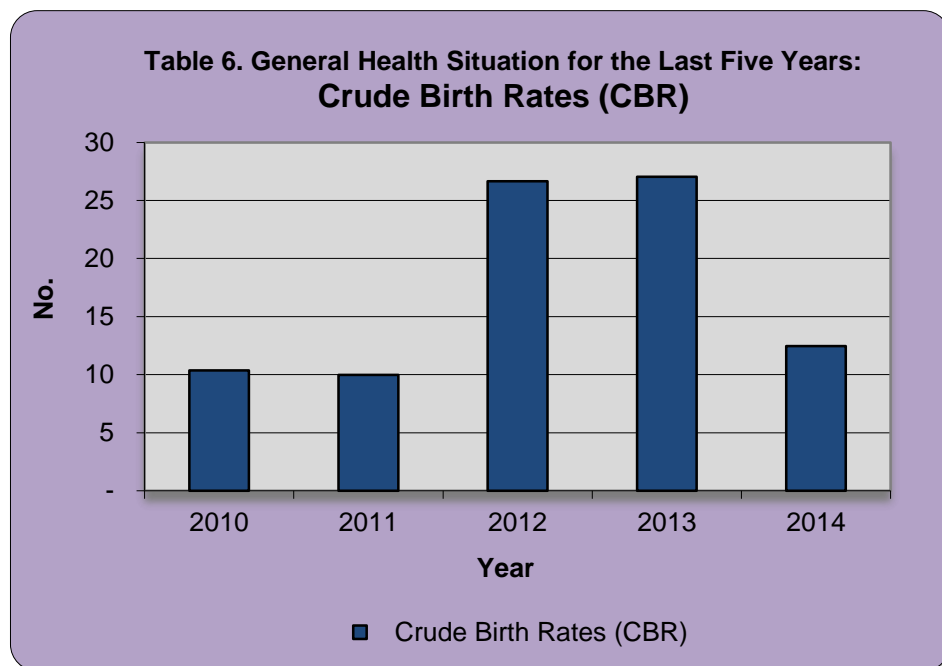
During the period 2010-2014, there was a fluctuating increase in the Crude Birth Rate (CBR) of the municipality with the lowest occurred in 2011 at 9.98%. The decreasing number of live births has contributed the decline in the town's population growth rate. The highest CBR occurred in the year 2013 with 27.03% which are considered almost in high rates. (*Table 9*)

The Crude Death Rate (CDR) in five consecutive years of the municipality are all considered low which ranges from 2.34% to 4.87%.

**Table 9. GENERAL HEALTH SITUATION FOR THE LAST FIVE YEARS,
 Year 2010-2014**

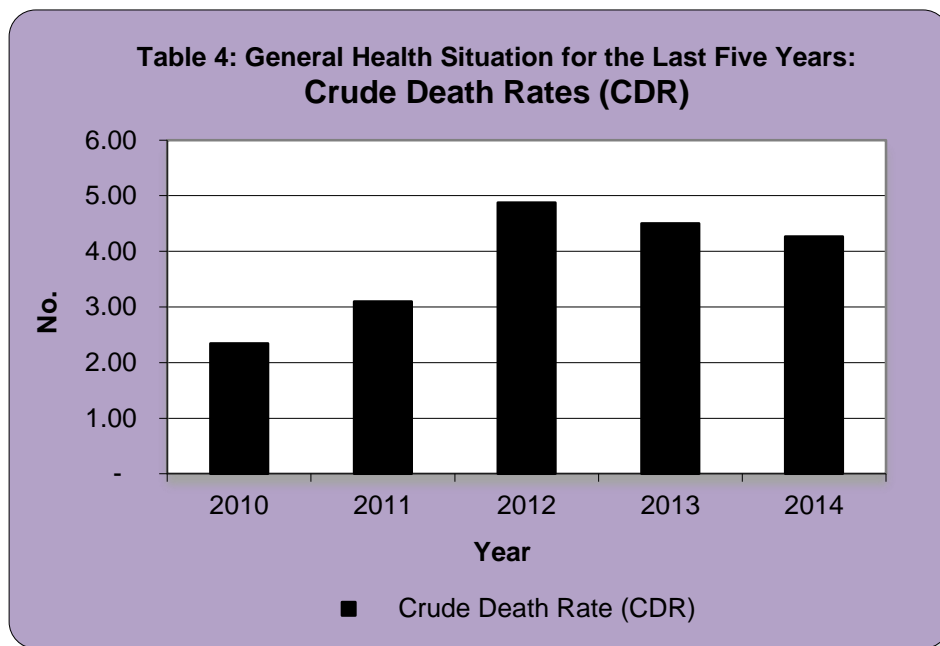
HEALTH INDICATOR	MUNICIPALITY				
	2010	2011	2012	2013	2014
Fertility					
Crude Birth Rates (CBR)	10.38	9.98	26.67	27.03	12.46
Total Fertility Rate(TFR)	9.39	12.87	4.50	5.10	5.61
Morbidity					
General Medical	10,044	10,557	10,878	16,114	5,152
Consultative Rate	9.81	10.13	10.25	14.92	4.69
Hospitalization Rate					
Mortality					
Crude Death Rate (CDR)	2.34	3.10	4.87	4.50	4.27
Infant Mortality Rate(IMR)	0.69	3.57	5.03	0.98	1.95
Young Child Mortality Rate(YCMR)	0.01	0.06	0.13	0.07	0.07
Maternal Mortality Rate (MMR)	0	27.4800 8	40.2576 5	117.670 1	21.6825 7

Source: Municipal Health Office (FHSIS- Field Health Service Information System)/
 Municipal Civil Registry/ 2010 and 2014 Census on Population and Housing



Source: Municipal Health Office

Infant Mortality Rate are very minimal from the year 2011 to 2014 ranges from 0.98 to 5.03 while Maternal Mortality Rate have highest rate in the year 2013 with 117.67%. The lowest General Medical consultations occurred in the year 2014 was 4.69% while in the year 2013 is the highest was 14.92%. The Maternal Mortality Rate (MMR) is the annual number of female deaths per 100,000 live births from any cause related to or aggravated by pregnancy or its management (excluding accidental or incidental causes). The MMR includes deaths during pregnancy, childbirth, or within 42 days of termination of pregnancy, irrespective of the duration and site of the pregnancy, for a specified year. The women aren't dying because they don't have family planning. They are dying from postpartum haemorrhage and preeclampsia according to Population Research Institute. They are dying because they lack primary health care.



Source: Municipal Health Office

C. LEADING CAUSE OF MORBIDITY

Acute upper respiratory infection or Coryza, the inflammation of the mucous membranes lining the cavity which usually gives rise to the symptoms of nasal congestion and loss of smell, this has topped the leading causes of Morbidity in Angono, Rizal in four consecutive years, 2010 to 2015. It comprised more than half of the total percentage/share of the top ten of such. This was succeeded by Animal Bites, Hypertension, Skin Diseases, Diarrhoea, Gastroenteritis and Infected Wound. It is also noted that essential hypertension is always one of the causes of morbidity for the last four years and ranked second and third for the year 2012 and 2013 respectively. (See Table 10).

Table 10.TEN LEADING CAUSES OF MORBIDITY, Year 2012-2014

CAUSES	NUMBER OF DEATHS							
	2012		2013		2014		2015	
	No.	Rank	No.	Rank	No.	Rank	No.	Rank
Acute Gastroenteritis			296		132		210	
Acute Tonsillopharyngitis							148	
Acute Upper Respiratory Infection (AURI)	4,333	1st	10,638	1st	2,728	1st	2,432	1st
Adverse Effects, not elsewhere Classified			264		75			
Allergic Contact Dermatitis					122			
Animal Bite			841	2nd	933	2nd	768	2nd
Asthma	322							
Certain Early Complications of Trauma not elsewhere classified					101			
Conjunctivitis			91				121	
Diabetes Mellitus Type II	384							
Diarrhea	468							
Hypersensitivity							98	
Hypertension	963	2nd	521	3rd	212		157	
Infected wound	322						185	
Myalgia	161							
Parasitism			97					
Skin Diseases (all forms)	714	3rd	220					
Soft Tissue Disorders			113		73			
Tuberculosis (PTB)	77				285	3rd	239	3rd
Urinary Tract Infection	337		206		123		105	
Total	8,081		13,287		4,784		4,463	

Source: Municipal Health Office (FHSIS- Field Health Service Information System)

D. LEADING CAUSE OF MORTALITY

Cerebral Haemorrhage (CVA) topped the list of leading causes of Mortality in Angono with 66 cases but only second highest number for the last four years. This comprises 22.67% of the total number of cases in the year 2012. The highest number of cases for the past four years is heart attack topped the list in the 2013. Acute Myocardial

Infarction, Intracranial Haemorrhage and ranked second and Pneumonia and cancer followed third compared to the concern year. In addition, Pneumonia, Senility, Cancer, and Tuberculosis are always one of the leading causes of mortality. (See Table 11)

Table 11. TEN LEADING CAUSES OF MORTALITY Year 2012-2015

CAUSES	NUMBER OF DEATHS							
	2012		2013		2014		2015	
	No.	Rank	No.	Rank	No.	Rank	No.	Rank
Cerebral Hemorrhage (CVA)	51	1st			57	1st	66	1st
Acute Myocardial Infarction	29	2nd					54	2nd
Pneumonia	29	3rd	24		36		41	
Cardiac Arrest, case unspecified	25		41	3rd				
Senility	24		10		28		28	
Septicemia	18		19				18	
Cancer (all forms)	16		37		40	3rd	47	3rd
Chronic Renal Failure	13							
Cardio Respiratory Failure	13							
Tuberculosis (PTB)	7		11		15		17	
Heart Attack			73	1st	46	2nd		
Intracranial Hemorrhage			57	2nd				
Asthma			17					
Diabetes Mellitus Type II			12		25		24	
Kidney Diseases					14			
Hypertension					8			
Intrauterine Fetal Disease					6			
Chronic Obstructive Pulmonary Disease (COPD)							20	
Congestive Heart Failure							15	
Total	225		301		275		330	

Source: Municipal Health Office

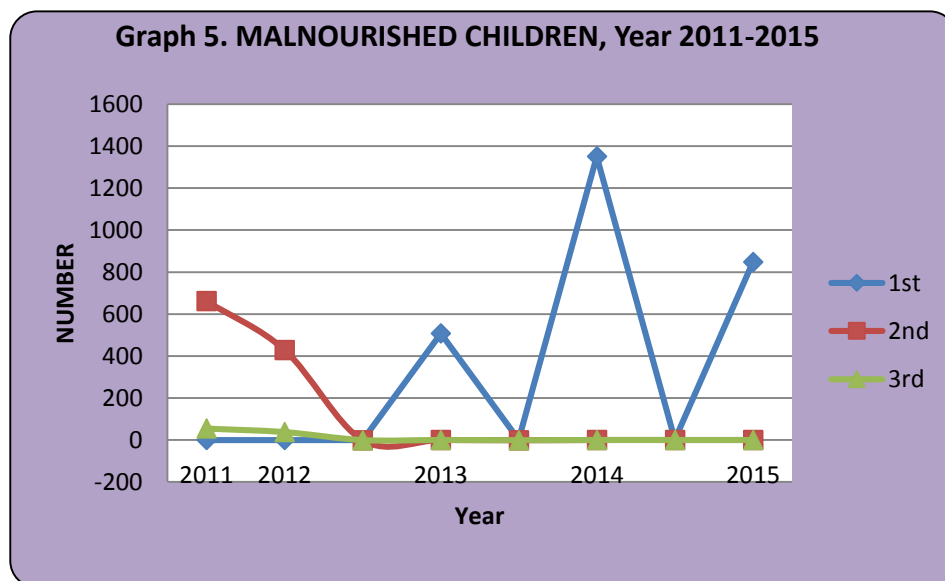
E. MALNOURISHED CHILDREN

There are second and third degree or moderate and severe malnourished children in Angono for the year 2011 and 2012 while in the year 2013 to 2015, first degree malnutrition were found. In the year 2013 to 2015 the number of malnourished children with 1st degree or mild malnutrition increases from 508 to 1,351 or 62.4% increase. However, there was a large fall in the year 2015 of 59.32% in total first degree malnutrition. (See *Table 12*)

Table 12. MALNOURISHED CHILDREN, Year 2011-2015

DEGREE OF MALNUTRITION	2011	2012		2013		2014		2015	
	No.	No.	Increase/Decrease	No.	Increase/Decrease	No.	Increase/Decrease	No.	Increase/Decrease
1st	0	0	0.00%	508	100.00%	1,351	62.40%	848	-59.32%
2nd	662	429	-54.31%	0	-100.00%	0	0.00%	0	0.00%
3rd	55	38	-44.74%	0	-100.00%	0	0.00%	0	0.00%
TOTAL	355	467	23.98%	508	100.00%	1,351	62.40%	0	-59.32%
Total No. Of Children (0-15 years)	35,769	36,406		37,054		38,385		39,068	

Source: Municipal Health Office



Source: Municipal Health Office

F. BURIAL GROUNDS

Angono, even a small Municipality, has six (6) cemeteries/memorial park, one (1) controlled by the Local government, four (4) privately-owned and one (1) public-private partnership. The Angono Municipal Cemetery having the area of 1.9944 hectares, as per records of the Office of the Municipal Assessor, caters 1,733 niche slots intended for burial, residents and non-residents of Angono. This is reflected in the records of the Office of the Municipal Treasurer. However, such record given by the Treasurer's Office is partial for it has been destroyed when Typhoon Ondoy hit Angono. Moreover, the existing record is based on the renewal of the rental for the use of the facility. The Sto. Rosario Memorial Park in Brgy. Roque is a private Memorial Park and is the largest facility in terms of area (4.7995 hectares). The latter is non-operational due to noncompliance to HLURB documents. Holy Gardens Memorial Park located at Bgy. San Isidro is the second largest area of 4.0022 hectares. It caters more than 5,000 burial plots, crematorium and columbarium. (See *Table 13*)

Table 13. EXISTING CEMETERIES AND MEMORIAL PARKS, Year 2015

Name of Cemetery/ Memorial Parks	Barangay	Ownership (Public or Private)	Area (hectare)	Capacity (burial plot/nitch)	Remarks
Municipal Cemetery	San Isidro	Public	1.9944	1,733	crowded
Holy Garden Memorial Park	San Isidro	Private	4.0022	More than 5,000	ok
Catholic Cemetery	San Isidro	Semi-private	0.4976	Almost 900	ok
Sto. Rosario Memorial Park	San Roque	Private	4.7995	n/a	Non- operational
Mt. Of Eternal Peace	San Isidro	Private	0.2169	6,000	ok
Heaven's Gate	San Isidro	Private/Publi c	No data	No data	ok
Total			11.5106	More or less 13,633	

Source: Office of the Municipal Assessor and actual survey

Based on the average Crude Death Rate of four (4) deaths per 1,000 populations, the number of deaths for the next ten years in Angono is projected at 668 deaths. This number will be requiring an approximate area of 0.202hectare of burial space.

G. SPORTS AND RECREATIONS

Table 14 shows 22 sports and recreational facilities in 10 barangays in the municipality including the total lot area, ownership and physical condition of the said facilities. Basketball Court located in Barangay Kalayaan is noted to have a poor condition and the rest of the sports and recreational facilities are all in fair conditions.

1. Sports Facilities

The Provincial Government of Rizal is continuously providing the different Municipalities and Barangays in the Province of Rizal covered courts that can be utilized for different sports activities and other functions. In Angono, 31 covered courts were constructed. To be specific, 11 were constructed in Barangay San Isidro, 8 in Barangay Mahabang Parang, 6 in Barangay Kalayaan, 3 in Barangay San Vicente, and in Barangays Poblacion Ibaba, San Pedro and San Roque has 1 covered court each.

2. Recreational Facilities

There are parks in all the subdivisions, 6 Galleries and 3 public parks (Municipal Park, Lakeside Park and Forest Park). Blanco Family Museum and Forest Park is the largest gallery and park in the municipality with 0.24 and 1.046 hectares respectively. (See Table 14)

Table 14. SPORTS AND RECREATIONAL FACILITIES, Year 2015

BARANGAY	TYPE OF FACILITY	LOT AREA (m ²)	OWNERSHIP	PHYSICAL CONDITION OF FACILITY
Kalayaan	Basketball Court	420	public	Poor
Mahabang Parang	Pamela Billiard Hauz		private	Fair
Poblacion Ibaba	Basketball Court	420	public	Fair
Poblacion Itaas	The Second Gallery	600	private	Fair
San Isidro	Basketball Gym	420	public	Fair
	Aling Eniang's Resort		private	Fair
	Scrapyard Resort & Inn		private	Fair
	Villa Fernando Resort		private	Fair
	Benita Orca Billiard		private	Fair
	Forest Park	10,460	public	Fair
	Kitagawa's Billiard		private	Fair
	Municipal Plaza Park	7,883	public	Fair
	St. Peter's Art Gallery	600	private	Fair
SPAC'S Billiard		private	Fair	
San Pedro	Basketball Court	420	public	Fair
San Roque	Four in 1		private	Fair
	Nemiranda Art Gallery	750	private	Fair
	Perdigon Vocalan Foundation Gallery/Ang Nuno Artists Foundation	560	private	Fair

	Gallery			
	Station Seven Sports Bar		private	Fair
	Basketball Court	420	public	Fair
San Vicente	Blanco Family Museum	2,400	private	Fair
	Lakeside Park	2,253	public	Fair
	Kamalig Billiard & Dart	2,100	private	Fair
Sto. Niño	Tiamson Art Gallery	217	private	Fair
Total	25	29,923		

Source: Angono Sports Commission/Assessor's Office/Business Permit and Licensing Office

H. SANITATION FACILITIES

As per NSO data, the town's household survey in the year 2000 shows that out of 15,740 households, 9,525 or 60.51% have access to water sealed and is projected to increase to 16,777 in 2023 (using an average household size of 4.65), sewer/septic tank toilet facilities. This is almost the same in the province of Rizal which is 60.80%. A total of 1,047 or 6.65% of the households still use close/open pits and other unsanitary toilet systems while a total of 528 households have other system and no known toilet systems at all (See Table 15). While base on 15% sample actual survey conducted by the DILG last 2011 it was noted that 87.22% of household population have septic tank but non-hygienic and 3.4% household have no septic tank. With these data the need to make sanitation accessible to the all is clear. The consequences of unsafe sanitation can be devastating and last a lifetime. It is proven that every year, food and water tainted with fecal matter cause of diarrhoea among children less than five years old, resulting in 1.5 million child deaths all over the globe base on Global Development Program last August 2012.Improvement of sanitation can reduce child diarrhoea by 30percent and increase school attendance among girls. People who have access to clean, safe, and convenient sanitation services also experience greater dignity, privacy, and security.

Table 15. NUMBER AND PROJECTION OF HOUSEHOLDS IN OCCUPIED HOUSING UNITS BY TYPE OF TOILET, Year 2000-2023

Type of Toilet Facilities	Total Households (HH) 2000	Projection			
		Total HH 2010	Total HH 2015	Total HH 2020	Total HH 2023
Water-sealed, Sewer/Septic Tank used exclusively by the household	9,525	13,327	14,556	15,938	16,777
Water-sealed, Sewer/Septic Tank shared with other households	1,706	2,387	2,607	2,855	3,005

Water-sealed/Other depository used exclusively by the household	2,292	3,207	3,503	3,835	4,037
Water-sealed/Other depository shared with other households	642	898	981	1,074	1,131
Closed Pit	793	1,110	1,212	1,327	1,397
Open Pit	57	80	87	95	100
Others (Pail system, etc.)	197	276	301	330	347
None	528	739	807	883	930
Total	15,740	22,023	24,054	26,337	27,724

Source: 2000 Census on Population and Housing

Table 16. SANITARY TOILET FACILITY, Year 2013

Area	Number of Household	Household with Sanitary Toilet	
		Number	%
Barangay Kalayaan	2,473	2,212	89.45%
Barangay San Isidro	5,101	4,414	86.53%
Barangay San Vicente	2,370	2,354	99.32%
Barangay Sto. Niño	486	638	131.28%
Rural Health Unit I, RHU I	10,430	9,618	92.21%
Barangay Bagumbayan	473	642	135.73%
Barangay Mahabang Parang	5,015	3,544	70.67%
Barangay Poblacion Ibaba	463	475	102.59%
Barangay Poblacion Itaas	93	183	196.77%
Barangay San Pedro	394	475	120.56%
Barangay San Roque	1,703	1,978	116.15%
Rural Health Unit II, RHU II	8,141	7,297	89.63%
TOTAL	18,571	16,915	91.08%

Source: Office of the DILG, Angono, Rizal, Department of Health

I. SOLID WASTE FACILITIES

Material Recovery Facility

The Material Recovery Facility (MRF) of the Municipality of Angono located in Sitio Labahan, Barangay San Isidro, Angono, Rizal was established more or less five (7) years ago under a Laguna de Bay Strengthening and Community Participation (LISCOP) loan. However, it was only under the administration of Mayor Gerry Calderon that it became operational.

The MRF serves as a drop center, composting and recycling facility. Through the loan, the local government was able to construct a building where one can find a heavy duty shredding machine, a screening machine, hollow block maker and compost drum.



Municipal MRF at Sitio Labahan, Bgy. San Isidro, Angono, Rizal

From January 2012, they were able to produce 19,920 kgs of organic compost fertilizers. Compost is made up of coconut husk mixed with chicken manure, soil and certain chemical to facilitate decomposition. Composted soil is being sold at P5.00 per kilo. Some of the produced fertilizer also goes to Angono’s Techno Farm for its upland vegetable garden. At present, there are 1,800 kilos of fertilizer on stock. Production of the organic fertilizer is not much of a problem because the material input, coconut husk is readily available.

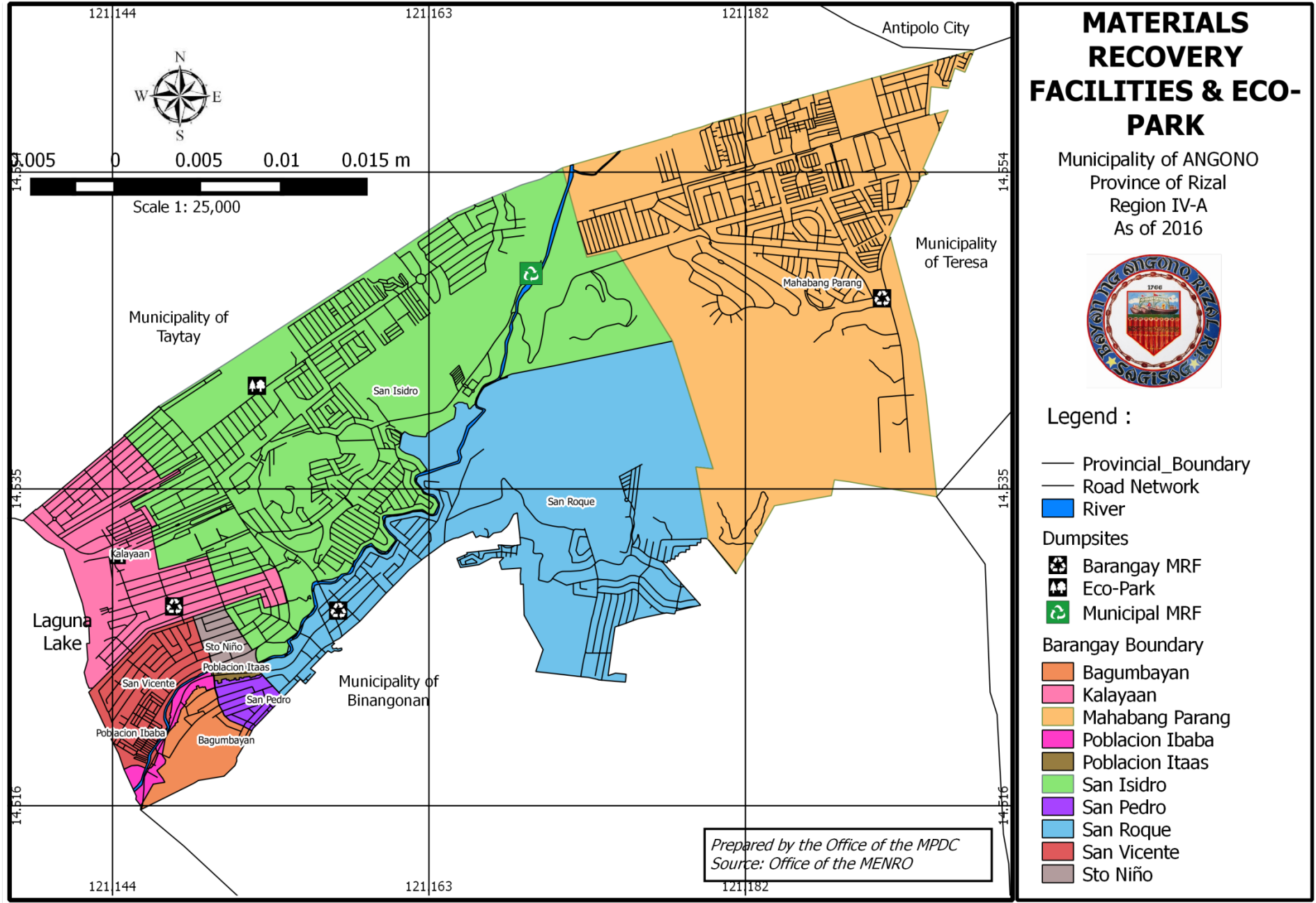
While the MRF can produce 2,000 kilos of organic fertilizer a month, it can likewise produce 500 hollow blocks a day if on a continuous operation. However, its production is now limited and is oftentimes affected because of financial constraint.

Table 17. MRF INVENTORY OF EQUIPMENT, Year 2014

QTY.	EQUIPMENT	CAP.	CONDITION	MAKE & MODEL	REPAIRED
1	Concrete Mixer		Good		YES
1	Hollow Blocks Maker		Good		YES
1	Baling Machine		Good		YES
1	Composting Machine		Good		YES
1	Charcoal Briquette – Making Machine		Good		No
2	Decorticating Machine		Good		No

Source: Municipal Environment and Natural Resources Office / General Services Office

Map 3. Materials Recovery Facility



II. CURRENT AND PROJECTED DEVELOPMENT NEEDS

The current number of medical personnel and health facilities are inadequate to service the health needs of the residents of Angono within the next ten years (See Table 18). The presence of the Rizal Provincial Hospital System Angono Annex greatly contributes to the healthcare not only of the residents but also of its neighbouring areas. An identified need is the inadequate supply of free medicines for indigent patients.

Table 18. HEALTH PROFESSIONALS NEED, Year 2015

Population & Health Professionals	PLANNING PERIOD										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Population	113,842	115,869	117,931	120,031	122,167	124,342	126,555	128,808	131,098	133,436	135,809
Doctors	4	4	4	4	4	4	4	4	5	5	5
Nurse	3	3	3	3	3	3	3	3	4	4	4
Midwife	11	11	12	12	12	13	13	14	14	15	15

Source: Computed based on MHO data

Except for the municipal cemetery, the existing burial facilities totalling an area of 6.711 hectares are fairly adequate to accommodate the future burial requirement of the population.

A considerable number of households in Angono do not have sanitary toilet facilities. There is a need to educate these households on the health and environmental risks of unsanitary waste disposal practices. The municipal government can explore the possibility of any assistance such as providing materials and teaching simple technology for the construction of sanitary toilet facilities.

III. ANALYSIS MATRIX

The following matrix generated during for issues and concerns on health:

ISSUES AND CONCERNS	POSSIBLE INTERVENTION
1. Malnutrition	Supplemental feeding programs
	Nutrition education programs
	Promotion of eating health foods such as fruits, vegetables, whole grains and low-fat foods
	Provision of potable drinking water
2. Less medical-related supplies	Sufficient budget allocation for health-related programs
	Purchase of quality medicines, and medical supplies and equipment
	Regular blood donation programs
3. Competence and availability of medical professionals	Hiring/appointing of qualified medical professionals
	Training and seminars for medical professionals
	Proper scheduling of shifts of assigned medical professionals during day and night time
4. Less medical clinics, etc.	Sufficient budget allocation for the establishment, construction, renovation, repair of such
	Establishment of medical clinics in remote areas
5. Environmental devastation	Tree planting and backyard farming
	Community participation in maintaining the greenness and cleanliness of the locality
	Minimization of the usage of plastic bags, styro foams and other non-biodegradable materials and containers
	Recycling
	Strict implementation of environmental laws
	Sufficient budget allocation intended for the different projects and purchase of equipment relative to environmental preservation
	Monitoring smoke-belching vehicles, factories, etc.
6. Poor physical attributes of the people	Conduct of physical fitness and sports activities
	Enhancement of sports facilities, parks and other recreational areas

HOUSING

I. EXISTING PROFILE

A. RATIO OF HOUSEHOLDS TO OCCUPIED HOUSING UNITS

As per 2007 census, there were 20,834 housing units occupied by a total of 20,909 households in Angono giving a ratio of 1:1.01. This figure indicates the presence of 75 doubled-up households or there were 75 housing units occupied by more than one (1) household. The municipal ratio was not so far behind the provincial average of 1.03. (*Table 19*)

Table 19. HOUSING SITUATION FOR THE LAST THREE CENSAL YEARS

	Year 1980	Year 1990		Year 2000		Year 2007	
		No.	% Inc./ Dec.	No.	% Inc./ Dec.	No.	% Inc./ Dec.
Population	26,571	46,014	57.75	74,668	61.62	97,209	76.81
Households	5,601	9,700	57.74	15,740	61.6	20,909	75.28
Housing Units	4,740	8,949	52.97	15,406	58.09	20,834	73.95
Occupied	4,693	8,860	52.97	15,253	58.09	20,628	73.94
Vacant	47	89	52.81	153	58.17	206	74.27
Housing Units to HH Ratio, Angono	1:1.01						
Housing Units to HH Ratio, Provincial	1:1.03						

Source: 2007 Census of Population

The same census also reveals that the average number of occupants per occupied housing unit is 4.71 or not more than six persons. This was slightly lower than the provincial average of 4.83 or 5 persons per housing unit.

B. ACCEPTABILITY OF HOUSING UNITS

Based on structural quality of construction materials of walls and roofs, the 2007 NSO data shows that out of the 20,909 occupied housing units, a total of 12,487 units need no repair or just minor repair. A total of 1,200 housing units need major repair while 160 units are considered as dilapidated or condemned. 61 housing units are under renovation/being repaired while 100 units are unfinished construction. Under construction are 225 units while 420 units are of unreported status. (*Table 20*)

Table 20. OCCUPIED HOUSING UNITS BY CONDITION (STATE OF REPAIR) OF THE BUILDING AND YEARS BUILT, Year 2000

Year Built	Total Occupied Housing Units	CONDITION (State of Repair) of the Building						
		Needs No Repair/ Minor Repair	Needs Major Repair	Dilapidated/ condemned	Under Renovation/ Being Repaired	Unfinished construction	Under construction	Not Reported
1996 -2000	4,571	3,513	781	29	23	71	112	42
1991 - 1995	3,715	3,161	354	98	9	20	50	23
1981 - 1990	3,378	3,011	279	17	9	7	26	29
1971 - 1980	1,375	1,213	129	4	6	1	12	10
1961 - 1970	507	446	56	1	1	0	0	3
1960 or earlier	617	499	101	8	6	0	0	3
Not applicable	21	16	2	2	0	0	0	1
Don't Know/Not Reported	1,069	628	98	1	7	1	25	309
TOTAL	15,253	12,487	1,800	160	61	100	225	420

Source: National Statistics Office, 2000 Census of Population and Housing

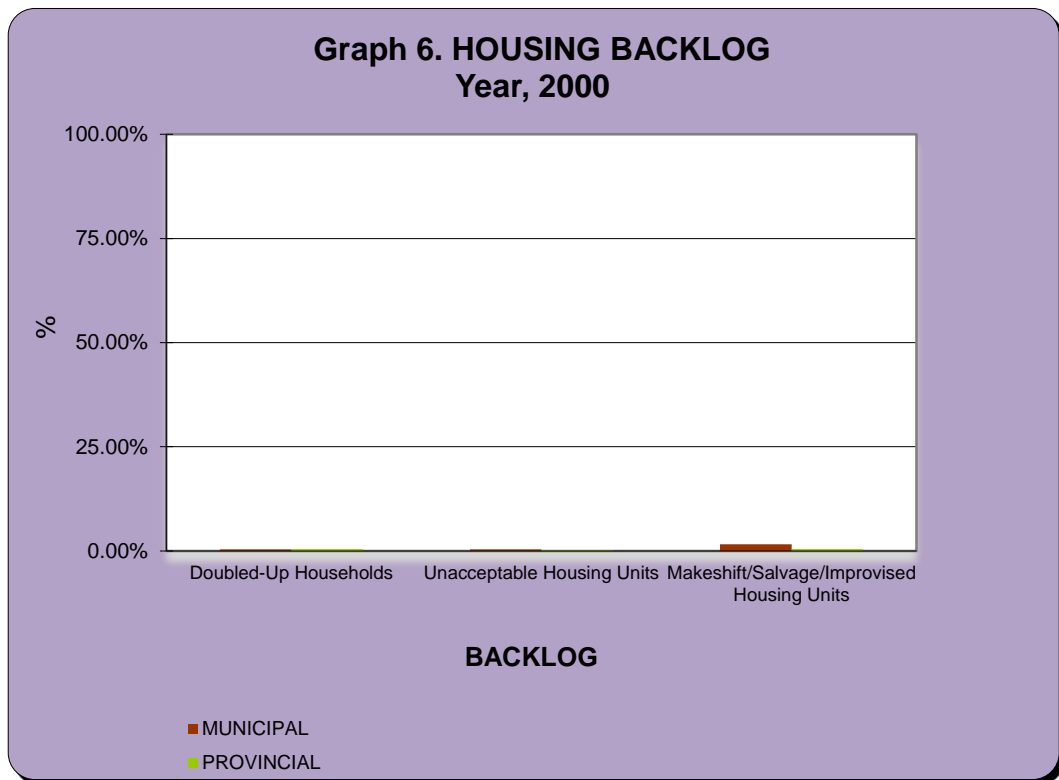
C. HOUSING BACKLOG

In the year 2007, the housing backlog of Angono was determined based on the number of doubled-up households, 75; unacceptable housing units, 68 (5% of housing units made of mixed/light construction materials and housing units with no walls); and makeshift/salvage/improvised housing units, 331. All in all, the housing backlog was 474housing units.

Table 21 . HOUSING BACKLOG, Year 2007

BACKLOG	MUNICIPAL		PROVINCIAL	
	NO.	% OF TOTAL BACKLOG	NO.	% OF TOTAL BACKLOG
Doubled-Up Households	75	0.36%	2,193	0.46%
Unacceptable Housing Units	68	0.33%	891	0.19%
Makeshift/Salvage/Improvised Housing Units	331	1.6%	1,649	0.42%
TOTAL BACKLOG	474	2.29%	4,733	1.07%

Source: NSO 2007 Census of Population and Housing



Source: NSO 2007 Census of Population and Housing

D. HOUSING DENSITY

The same NSO data indicates that most number of housing units (7,401) have a total floor area of 20-49 square meters floor area. There were 1,173 units with less than 10 square-meter areas while 954 units have 120 and over square meters. The median floor area is 36.7 square meters which is slightly higher than that of the province (35.2 square meters). Considering the average floor area (36.7) over the average number of occupants (4.94) per housing unit, the housing floor area density in year 2000 was 7.43 square meters per occupant. This figure is slightly higher than the housing floor area density of the province which is 7.11 square meters per occupant. The difference was due to the higher average number of occupants per housing unit of the province (4.95).

Table 22. HOUSING DENSITY, Year 2000

Number of Occupants in Each Housing Unit	Floor Area of the Housing Unit (sqm.)										Median Floor Area
	Total Occupied Housing Units	>10	10-19	20-29	30-49	50-69	70-89	90-119	120 >	Not Reported	
One Occupant	501	67	71	121	118	48	20	13	21	22	28.4
Two Occupants	1,275	142	199	269	351	114	56	51	66	27	30.8
Three Occupants	2,251	218	295	511	613	237	110	104	101	62	32.3
Four Occupants	3,171	237	363	651	941	385	188	147	178	81	36.2
Five Occupants	3,004	182	316	589	907	382	168	179	178	103	38
Six Occupants	2,171	139	224	380	624	319	142	123	171	49	40.2
Seven Occupants	1,324	88	136	242	401	165	72	86	94	40	38.85
Eight Occupants	773	56	82	133	204	106	51	46	66	29	39.9
Nine Occupants	305	16	26	56	86	44	19	19	33	6	42
Ten Occupants	478	28	31	76	128	78	30	36	46	25	44.3
<i>Total</i>	<i>15,253</i>	<i>1,173</i>	<i>1,743</i>	<i>3,028</i>	<i>4,373</i>	<i>1,878</i>	<i>856</i>	<i>804</i>	<i>954</i>	<i>444</i>	<i>36.7</i>
<i>Average Number of Occupants</i>	<i>4.89</i>	<i>4.46</i>	<i>4.54</i>	<i>4.69</i>	<i>4.93</i>	<i>5.15</i>	<i>5.07</i>	<i>5.21</i>	<i>5.39</i>	<i>5.1</i>	

Source: 2000 Census of Population and Housing

E. CONSTRUCTION MATERIALS OF HOUSING UNITS

Table 23. OCCUPIED HOUSING UNITS BY CONSTRUCTION MATERIALS OF THE ROOF AND OUTER WALLS, Year 2007

Construction Materials of the Outer Walls	Construction Materials of the Roof								
	Total Occupied Housing Units	Galvanized Iron/ Aluminum	Tile/ Concrete /Clay Tile	Half Galvanized Iron and Half Concrete	Wood	Cogon/ Nipa/ Anahaw	Makeshift/ Salvaged/ Improvised Materials	Asbestos/ Others	Not Reported
Concrete/brick/stone	11,009	10,136	456	368	42		2	2	3
Wood	3,713	2,604	16	453	541	8	82	1	8
Half concrete/brick/stone and half wood	5,063	2,343	132	2,389	167		28	2	2
Galvanized iron/aluminum	138	108	2	25	2		1		
Bamboo/sawali/cogon/nipa	112	46		3	41	21	1		
Asbestos									
Glass	5	4	1						
Makeshift/salvaged/improvised materials	456	110		15		1	327		3
Others/not reported	132	37	1	10	11				7
No walls									
TOTAL	20,628	15,388	608	3,263	804	30	441	5	23

Source: 2007 Census on Population and Housing

Of this total, almost all of the houses in the town (53.13%) are made up of permanent materials, concrete, brick and stone (Table 23). In terms of overall house construction, 17.52% are considered as having semi-permanent to permanent houses, of which still uses wood construction. Less than 5.38% are considered as made up of light materials (galvanized iron, aluminum, bamboo, cogon, etc.). The 2.20% are considered as unacceptable being made up of makeshift or substandard materials. From the planning parameter point of view, houses with very light materials such as those identified above should be eyed for replacement and should be considered as housing backlog of the municipality.

F. HOUSEHOLD SIZE

In NSO 2010, there were a total of 20,909 households in Angono making for an average household size (AHS) of 4.65. This was lower than Rizal's 4.71 AHS.

G. TENURE STATUS OF OCCUPIED HOUSING UNITS

Base on 2000 Census of Population and Housing projection, a majority of the housing units or 54.66% are owned or being amortized by its occupants. 17.54% of the total housing units are being rented and 15.18% are occupied for free with the consent of the owners. 8.14% are occupied for free without the consent of the house owner. The latter occupants can be considered as the informal settlers of Angono at that time. (Table 24)

Table 24. Owner Households in Occupied Housing Units by Tenure Status of Housing Units and Lots, Year 2007

Tenure of Status	Housing		Lot	
	No.	%	No.	%
Being Amortized	11,429	54.66	14,119	67.53
Rented	3,667	17.54	4,368	20.89
Being Occupied for Free with Consent of Owner	3,174	15.18	2,253	10.78
Being Occupied for Free without Consent of Owner	1,701	8.14	62	0.30
Not Reported	934	4.47	97	0.46
Not Applicable	0	0	10	0.05
Total	20,909	100	20,909	100

Source: NSO 2007 Census of Population and Housing, 2000 Census Projection

H. HOUSING FACILITIES AND UTILITIES SITUATION

Potable water supply appears to be a problem for all households surveyed in 2000. The 56.79% unserved households were using (1) own use, tubed/piped deep well, (2) shared tubed/piped shallow well, (3) dug well, (4) spring, lake, river, rain etc, (5) peddler, (6) bottled water. There were 275 households sourcing potable water from springs, lake, rivers, or rain and 425 households reported to use other source of water for drinking and cooking. Electricity is used in most households except for 1,247 or 7.92% unserved households. Water-sealed toiletsystem is used by 14,165 households leaving 1,575 or 10% with unsanitary toilet systems. Only 13,905 households are reported as being served with garbage collection services while the bulk of the households (99.79%) practice other garbage disposal system like burning and dumping in individual pits. Burning is the most popular means of garbage disposal as it is practiced by 1,835 (77.48%) households. (See *Table 25*)

Table 25. HOUSING FACILITIES AND UTILITIES SITUATION, Year 2000

Facilities/Utilities	No. of Households	No. of Household Served	Household	
			Unserved	%
Water supply	15,740	7,640	8,100	56.79%
Electricity		14,493	1,247	7.92%
Water-Sealed Toilets		14,165	1,575	10%
Garbage Collection System		13,905	1,835	13.20%

Source: NSO 2000 Census of Population and Housing

I. RESIDENTIAL SUBDIVISIONS

In order to meet the heavy of in-migration into the municipality, agricultural lands have been converted to residential areas, in particular, subdivisions. The total number of subdivisions at present is 74, majority of which are located at in Barangay. San Isidro (See *Table 26*). The total land devoted for subdivisions is more than 531.821hectares.

Table 26. LIST OF SUBDIVISIONS IN ANGONO, Year 2012

Barangay	NAME and LOCATION	AREA (has.)	Developer
Kalayaan	Aurora Subd. Phase II	13.06	First Aikka Dev't Inc.
	Baytown I	4.1895	SAHARA
	Edenville	6.5	
	Light Industrial Baytown II	3.88	Victoneta Inc./ Sahara
	Sitio Pinagpala	2.0	As is where is
Mahabang Parang	Duraville 1 & 2	5.17	Durawood Consts & Lumber Supply, Inc.
	Eastborough Place	55.6	Filinvest Inc.
	Forest Farms	31.61	Filinvest Inc.
	Garden of Maria Alta	2.73	Crown Asia
	Grand Valley Phase 1-4	4.1054	Citizen Dev't, Inc.
	Marwood	4.0635	Maharlika Wood Industries, Inc.
	Masagana Village Phase 1	4.9126	Carebi Phil.
	Masagana Village Phase 2	6.3156	Carebi Phil.
	Meralco	4.2851	Carebi Phil.
	Mission Hills	10.15	Filinvest Inc.
	Primrose	9.41	Filinvest Inc.
	Proposed Citation Home East	9.41	Filinvest Inc.
	Sta. Catalina & Sta. Monica III	21.535	Filinvest Inc.
	Sta. Catalina 2	9.0007	Filinvest Inc.
	Sta. Fe	5.07	Filinvest Inc.
	Sta. Teresa	39.2	Filinvest Inc.
	The Groves	0.91	
Zen Residences East	4.1	Urban Eco-Living Dev't Corp.	
San Pedro	Bloomingdale	7	Unisun
San Isidro	Aurora Subdivision	1	CANIZA
	Alpha & Omega	5.00	Urban Poor
	Arveemar Homes	6.518	
	Coastal Hills		Park Developers, Inc.
	Constellation Homes Phase I & II	6	Delfin Hermanos Inc.
	Cozy Homes	3.2	
	Gopiao	7.1	As is where is
	Heraldville	3	
	Hillsdale Summit Phase I	5.0	Park Developers, Inc.
	Hillsdale Summit Phase II	0.27	Suburban Poultry Farms, Inc.
	Home Point 1	1.0750	
	Home Point 2	1.2019	
Kaluwalhatian Village	5.0	Urban Poor	

	Lakeside	1.0	
	Lakeview Hills	2	
	Loremar Homes	1.0	
	Luxury Villa	2.6984	Lauro Construct, Inc.
	Medalva Hills 1,2 & 3	8	
	Mednaville	5.0	Urban Poor
	Mercedes Homes	3	
	Nieves Hills 1 & 2	12	
	Rainbow Subd.	5.2419	
	Richmond	8	Unisun
	Ricohermoso Compound	0.50	
	Rockville Subd.	1.0	FBM Construction
	Rosario Village	5.0	Urban Poor
	SMRVPI Housing & Land Dev.		S.M.R.V.P. Inc.
	Saguinsin Compound	0.50	As is where is
	St. Anthony Ville Phase I & II	1	As is where is (Urban Poor)
	San Isiro Park Homes	5.5	Earth Centrum Realty & Dev't Corp.
	San Lorenzo	2.0	As is where is
	San Martin Subd.	8	Melitona Estate, Inc.
	Sulit Compound	1.2	As is where is
	Sunnyville East Manor	4.6	Golden Ventures Realty Corp.
	Sunrise	1.0	
	Sunstrip Executive Village Phase 1-A	0.8	Sta. Lucia Realty & Dev't, Inc.
	Sunstrip Green	6.8	Sta. Lucia Realty & Dev't, Inc.
	The Village	2.3	
	Twin Hills	1.5	Park Developers, Inc.
	Venus Compound	5	Unisun
	Villa Angelina	28	As is where is
	Villa Gloria	2.1	
	Village East 2	40.2384	Prime East Properties Inc.
San Roque	Doña Justa 1, 2 & 3	18	Guido Properties
	Unamonte	3.2	Jerrald Trading & Realty Development Inc.
	Village East Phase IV	29.07	Antipolo Properties
San Vicente	Carebi Subd.	1.0	Carebi Phil.
	Exodus	3.5	Urban Poor
	Home Sweet Homes	1.2	Carebi Phil.
	St. Anthony	2.3	Carebi Phil.
Total		531.821	

Source: HLURB, Office of the MPDC, Office of the BPLO

J. INFORMAL SETTLEMENTS

The municipality of Angono have a total of 11,253 informal settler families or 9.94% of the total population. Families with no programs yet are 2,206 families and 9,047 families is under Zero Squatter Programs.

The local government of Angono identified the need for local authorities to take a more strategic approach to housing as part of their place shaping role. By contributing to place shaping housing activity can help to deliver improved services including health, education and social services.

Informal settlers may be one of the problems that a Local Government Unit may encounter that needs to be resolved. This situation may be resulted due to migration, work-related situations, marriage, birth, education and others.

The Municipal Government of Angono, through the initiative of Hon. Mayor Gerardo V. Calderon, set “Zero Squatter Program” for the informal settlers in Angono. This was adjacent to the previous programs that provide housing programs to the habitants of this Municipality.

Different acquisition programs were conducted to acquire the prospected location/property: Direct buying, Auctioned or Levied, Community Mortgage Program, thru the National Housing Authority and thru the Local Government Unit initiated project. As presented in Table 27, various organizations/association in different barangays benefited from the settlement projects, either initiated by the government or acquired by projects conducted.

Under the column *Status*, “Taken out” means the location/project has been acquired or granted to the recipients. “On going” means on the process of acquisition. On this stage, documents were signed between the two parties and initial acquisition payment has already given, while “Under negotiation” means the acquisition is on the process of bargaining between the owner and the prospect inhabitants/organization. Relative documents are being prepared and payments are being set.

In view of the preceding paragraph, settlements of the eight (8) of the organizations were already taken out, nine teen (19) of which are still on the on-going situation and the remaining two (2) are still under negotiation. These twenty-nine organizations/associations, situated in Barangays Poblacion Ibaba (2), San Vicente (5), San Roque (3), San isidro (11), Kalayaan (3) and Mahabang Parang (5), are under the Zero-squatter program of Angono, Rizal for the year 2015 and the conduct of such is still on its full swing.

Table 27. ZERO SQUATTER PROGRAM OF ANGONO, Year 2015

Programs	Organization	Barangay	No. of Families	Onsite	Offsite	Status
Direct Buying	ALNA	Poblacion Ibaba	213	213	0	Taken Out
	MAWANAI	San Vicente	43	43	0	On Going
	CONSTELLATION CREEKSIDE	San Isidro	147	147	0	On going
	DIVINE MERCY	San Isidro	85	85	0	Under Negotiation
	HABITAT SHELTER	San Isidro	21	21	0	Taken Out
	SANAPI	Poblacion Ibaba	40	40	0	On Going
	SITIO PINAGPALA	San Isidro	366	366	0	On going
	SITIO MANGGAHAN II	San Roque	21	21	0	On going
	SITIO MANGGAHAN II	San Roque	48	48	0	On going
	SITIO PINAGKAISA	San Isidro	316	316	0	On going
	SITIO TINAPAHAN	San Isidro	53	53	0	Taken Out
	IKAW AKO TAYONG LAHAT PARA SA KINABUKASAN INC.	Mahabang Parang	275	275	0	Under Negotiation
	KAMPI	Mahabang Parang	320	200	120	On going
	PATAMABA	San Vicente	211	105	106	On going
	PARADISE VILLE	San Vicente	70	58	12	On going
	EDENVILLE	Kalayaan	38	38	0	On going
	TRR	Kalayaan	73	73	0	On going
	UNITY VILLE	Kalayaan	69	69	0	On going
	VILLA ANGELINA	San Isidro	96	96	0	On going
		<i>Sub-Total</i>		2,505	2,267	238
AUCTIONED OR LEVIED	ALFONSO LIM	Mahabang Parang	2,756	2,756	0	On Going
	MEDNA	San Isidro	650	650	0	On Going
	SILIHAN/ YUPANGCO FEDERATION	Mahabang Parang	2,278	1,650	628	On Going
		<i>Sub-Total</i>		5,504	4,876	628

Community Mortgage Program	10th STREET SAN MARTIN	San Isidro	55	55	0	Taken Out
	SAMAHANG MARALITA	San Vicente	235	192	43	Taken Out
	OMEGA FOREST	San Isidro	14	14	0	Taken Out
	KAMPI	Mahabang Parang	150	150	0	On Going
	SAINT ANTHONY VILLE 1 & 2	San Isidro	224	160	64	On Going
	SAMAHANG BINHI	San Vicente	282	212	70	Taken Out
	<i>Sub-Total</i>			960	783	177
National Housing Authority	MANGGAHAN Phase I	San Roque	78	78	0	Taken Out
Total			9,047	8,004	1,043	

Source: Urban Settlement Development Office

On the other hand, as appeared in Table 28, the LGU-Angono is on the drafting stage of a certain settlement project intended for some organizations for them to acquire their own land for settlement. Relatively, Eighteen (18) organizations: situated in Barangays San Vicente (1), San Isidro (8), Kalayaan (2), San Roque (3), Mahabang Parang (3) and Poblacion Ibaba (1), as of 2015, still do not have specific housing project/program, but plans of granting such is on its way to reality, as per records of Urban Settlement Development Office.

At present, considering the data presented in the two different tables regarding informal settlement, the Municipal Government of Angono, Rizal shall plan, conduct and initiate programs for these inhabitants proper dwelling. More so, factors, especially migration, shall be monitored, to lessen the settlement of families to this locality.

One of the possible ways that Angono has commenced to lessen the settlement of such is to convert vacant lots into eco-parks. With this, instead of gaining problems brought by informal settlement, tourism and job opportunities will be utilized by the LGU wherein local and foreign people will benefit.

**Table 28. INFORMAL RESETTLEMENT WITH NO PROGRAM YET,
 Year 2015**

Organization	Barangay	No. of Families	Onsite	Offsite
BAGONG SIBOL	San Vicente	39	39	0
BLESSED HILLS NEIGHBORHOOD ASSOCIATION	San Isidro	44	44	0
CREEKSIDE (ARVEEMAR)	San Isidro	74	74	0
DIFFERENT STREETS OF BRGY. KALAYAAN	Kalayaan	477	477	0
KANDRENAI	Kalayaan	347	347	0
MANGGAHAN Ph. 2	San Roque	70	70	0
NAPOCOR 1 & 2	Mahabang Parang	400	400	0
PARAISOL	San Roque	38	38	0
QUEZON AVENUE EXTENSION	Mahabang Parang	70	70	0
Roman Reyes/Jasmin Nieves	San Isidro	51	51	0
SAMAGDUWA AT DULONG WAWA (ISLA)	Poblaicon Ibaba	122	122	0
SITIO LABAHAN	San Isidro	66	66	0
SITIO MINAHANG BATO	San Isidro	82	82	0
SITIO TAGILID	San Isidro	25	25	0
TAGA-VISAKOL	San Isidro	69	69	0
BLESSED HILLS	San Isidro	44	44	0
DANGER AREA: RIVER EASEMENT	San Isidro / San Roque	210	210	0
VINCENTIAN	San Roque	22	22	0
TOTAL		2,206	2,206	0

Source: Urban Settlement Development Office

Map 4. Socio-Housing, as of Year 2012

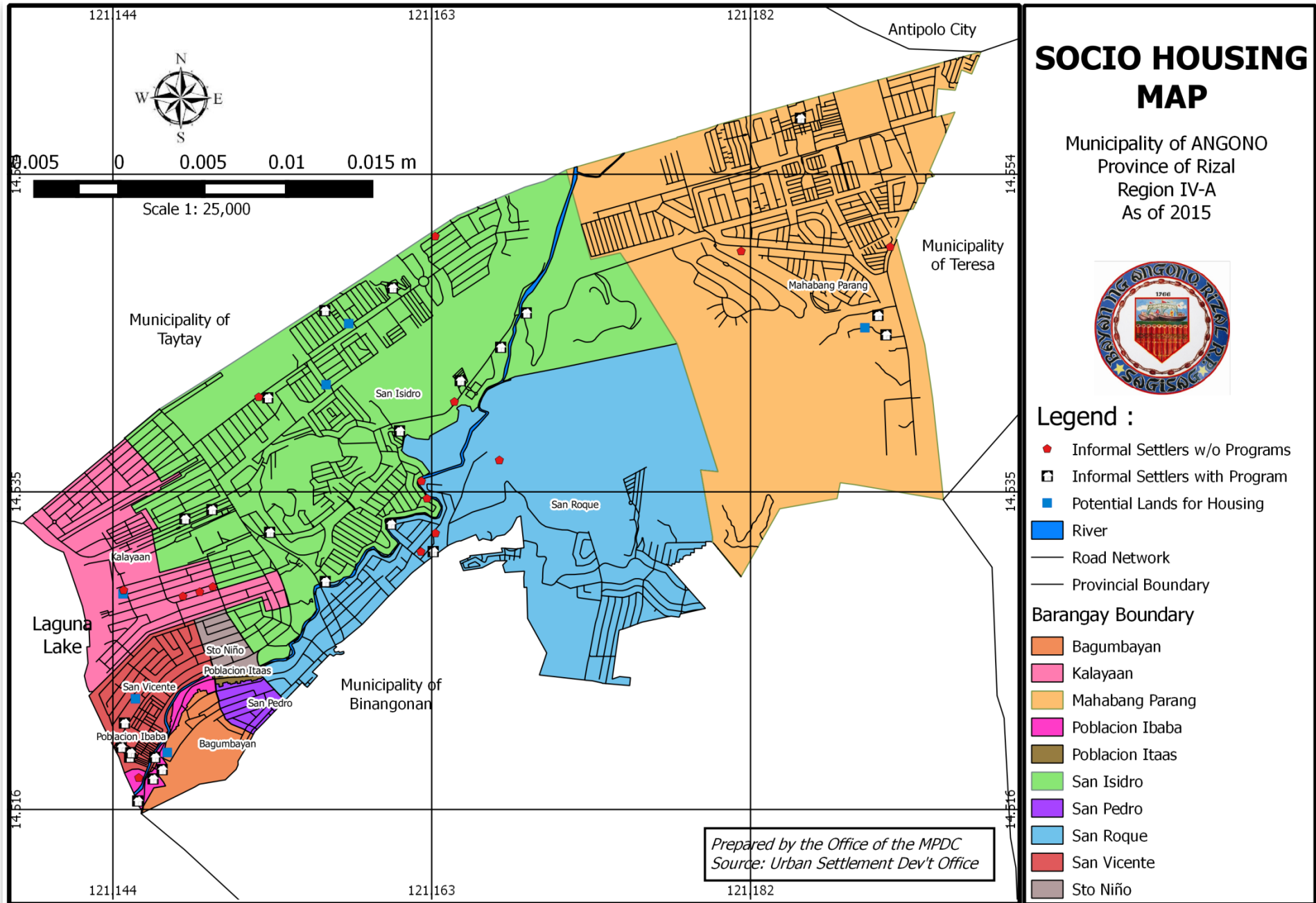


Table 29. POTENTIAL LANDS FOR HOUSING BY CLASSIFICATION, ACTUAL LAND USE AND ZONING, Year 2012

OWNER	TCT. NO.	LOCATION	AREA (HAS.)	CLASSIFICATION	ASSESSED MARKET	ACTUAL LAND USE	ZONING CLASSIFICATION	UTILITY
Goring Guido		Poblacion Ibaba		Undeveloped Land		R-1	R-3	Potable water, electricity, access to primary road and transportation facilities
Yupangco Company		Mahabang Parang		Undeveloped Land		Industrial Zone	R-3	Potable water, electricity, access to primary road and transportation facilities
Pag-Ibig Fund (Medalva Hills)		San Isidro		Vacant Land		R-3	R-3	Potable water, electricity, access to primary road and transportation facilities
Security Bank		San Isidro & Kalayaan		Undeveloped Land		R-2	R-3	Potable water, electricity, access to primary road and transportation facilities
Narciso Family		San Vicente		Vacant Land		R-2	R-3	Potable water, electricity, access to primary road and transportation facilities
Narciso Family (Hillsdale Subdivision)		San Isidro		Vacant Land		R-2	R-3	Potable water, electricity, access to primary road and transportation facilities

Source: Urban Settlement Development Office, MPDC

Actual Land Use: ® - Residential; © - Commercial; (ins) – Institutional; (IND) – industrial; (Agr) – Agricultural; (V) – Vacant; (O) – others

Classification: undeveloped and vacant land; unregistered or abandoned land; government owned land; land outside zoned built-up areas; marginal agricultural land

Utility: potable water; electricity; sewerage facilities and waste disposal; access to primary road and transportation facilities

II. CURRENT AND PROJECTED DEVELOPMENT NEEDS

At the end of the planning period or by 2023, the population of Angono is projected to reach 128,808. With an average household size of five (5) members per household, the number of households by that time is also projected to be 25,762. The ideal ratio of one housing unit per household will necessitate that the number of housing units should be equal with the number of households. Table 28 shows that there were 20,628 occupied housing units in the year 2007. Less the 474 housing backlogs, there were only 20,360 acceptable housing units at the time. However, the number of housing units still needed to fill up the gap by 2023 may not be properly projected considering the lack of timely and accurate data on the number of housing units and housing conditions.

Angono, as situated at the shores of Laguna de Bay, is prone to floods and inundations. Due to heavy downpour, low-lying barangays of this Municipality tend to submerge to waters. The Local Government of Angono determined the different flood prone areas and constantly advises the locales of the possible effects of typhoons and continuous rains. During these calamities, some residents choose to stay despite of the possible onslaught of these natural calamities. Affected families will be relocated to evacuation centers and rent for temporarily shelters but after the waters subside, they tend to return to their homes. More so, these affected families will adapt to what their location is experiencing. As such, they make improvised bancas that will be used for transport during floods. They also refurbish their houses by elevating such that will adjust to the flood level of their area.

III. ANALYSIS MATRIX

The following matrix generated during for issues and concerns on housing:

ISSUES AND CONCERNS	POSSIBLE INTERVENTION
1. Quality of housing	<p>Comprehensive package should be made available to residents with substandard housing so that they can modify their houses.</p> <p>Strict implementation of housing standards</p> <p>Financing packages for existing families through PAG-IBIG to improve the conditions of their houses.</p>
2. Households with no toilets	<p>Construction of common toilet and bathroom.</p> <p>Toilet campaign to have each house in the municipality be equipped with sanitary toilets.</p>
3. Settlements in flood/landslide prone areas	<p>Relocate settlements in high risk areas to safer areas.</p> <p>Construction of house adaptation to environmental awareness.</p>

SOCIAL WELFARE

I. EXISTING PROFILE

A. FACILITIES AND STAFF COMPLIMENT

The social welfare development sector in Angono is the main concern of the Municipal Social Welfare and Development Office (MSWDO). Of the 10 barangays, only Bagumbayan, Poblacion Itaas and Sto. Niño have no Day Care Center facilities. Conditions of these day care centers are generally good. Brgys. Mahabang Parang, Poblacion Ibaba and San Roque hold day care centers in the barangay halls. There are two Senior Citizen Facilities in the town, one Veterans Hall in Brgy. Kalayaan and the other OSCA, Office of the Senior Citizens Affairs in Municipal Compound, Brgy. San Isidro. The choice of the latter as a senior citizen site may have been due to its having the largest in terms of population and land area in the town. (See *Table 30*)

Table 30. SOCIAL WELFARE FACILITIES, SERVICES AND CLIENTELE, Year 2015

Barangay	Facilities	Physical Condition	Services	Type of Clientele (years old)	Staff Compliment
Bagumbayan	-	-	Day Care Service, Supplemental Feeding and Oral Health Care	-	Day Care Workers
Kalayaan	DCC	GOOD		3-5	
Mahabang Parang	DCC	GOOD		3-5	
Poblacion Ibaba	DCC	GOOD		3-5	
Poblacion Itaas	-	-		-	
Sto. Nino	-	-		-	
San Pedro	DCC	GOOD		3-5	
San Roque	DCC	GOOD		3-5	
San Isidro	DCC	GOOD		3-5	
San Vicente	DCC	GOOD		3-5	

Source: Office of the DSWD

Table 31. ANGONO DAY CARE CENTERS, Year 2015

Barangay	Number of Day Care Worker	Day Care Center	Total Number of Children
San Isidro	2	San Isidro Main DCC	145
	1	San Lorenzo Ruis DCC	54
	1	Sitio Pinagpala DCC	58
	1	Mednaville DCC	36
	2	Rosarioville DCC	91
	1	St. Anthony DCC	62
	1	Constellation DCC	49
	1	Tagavisacol DCC	35
San Roque	1	San Roque RM1 DCC	72
	1	San Roque RM2 DCC	72
	1	San Roque RM3 DCC	51
	1	San Roque RM4 DCC	60
	1	Sitio Dayap DCC	22
Mahabang Parang	2	Mahabang Parang DCC	95
	2	Bagong Pag-Asa DCC	75
	1	Grand Valley DCC	70
	1	Promise Land DCC	37
San Pedro	1	San Pedro RM1 DCC	102
	1	San Pedro RM2 DCC	52
San Vicente	2	San Vicente DCC	119
	1	Exodusville DCC	37
Kalayaan	1	Kalyaan DCC	50
Poblacion Ibaba	1	Poblacion Ibaba DCC	62
Total	28	24 DCC	1,506

Source: Office of the DSWD

The Municipal Social Welfare and Development Officer are complimented with 28 Day Care Workers. The total number of Day Care Center in Angono is 24 located in 7 different barangays. Barangay San Isidro has the most number of enrollees with 530 followed by Barangay Mahabang Parang and Brgy. San Roque with 277. (See Table 31)

B. SERVICES OFFERED AND TYPES OF CLIENTELE

Aside from overseeing the day care needs and supplemental feeding of the young children and the needs of its senior population, the MSWDO has also rendered some other social services such as medical assistance, AICS-Aid to Individual in Crisis Situation, and other services to various types of clientele as presented in *Table 32*.

Table 32. NUMBER OF PERSONS/FAMILIES ASSISTED BY SERVICES OFFERED AND TYPE OF CLIENTELE, Year2013-2015

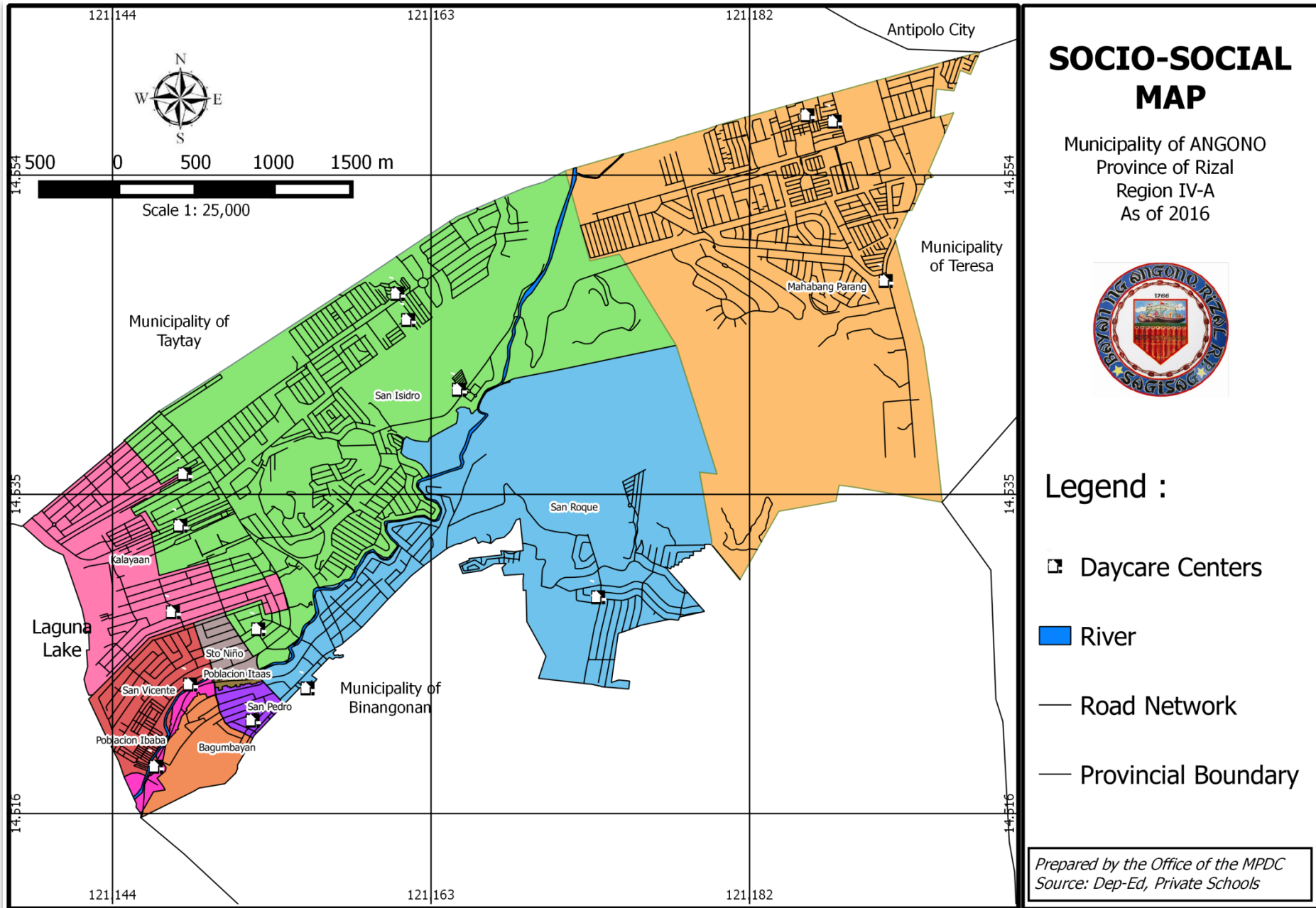
Services Offered:	2013	2014	2015
Medical Assistance	6,657	12,100	9,605
AICS – Aid to Individual in Crisis Situation	5,985	2,010	4,605
Relief / Rehabilitation (ESA/ERA)	738	853	32
Peron with disabilities	584	756	1,000
Older Persons (60 years and above)	1,480	1,610	7,318

Type of Clientele:	2013	2014	2015
CICL	70	54	117
VAWC	45	68	196
SA	14	9	39
Child Abuse	9	11	31
Street Children	48	52	290
Adoption	9	13	11
Rescue Operation	14	29	20
Mentally Challenge	4	6	8
Solo Parent		120	142
Elderly Referred to Institution	9	8	9

Source: *Municipal Social Welfare and Development Office*

The types of clientele served ranged from the disadvantaged families, disadvantaged women, youth, Persons with Disabilities (PWDs), and others.

Map 5. Socio-Social Map



II. CURRENT AND PROJECTED DEVELOPMENT NEEDS

It appears that the mandated social services centers are already in place in Angono. The main concern is thus to maintain and enhance these facilities and services to ensure that all existing and future clientele will have adequate and effective access to these services. The number of clientele and its service impact will determine the urgency for establishing such facility in Angono.

III. ANALYSIS MATRIX

The following matrix generated during for issues and concerns on social welfare:

ISSUES AND CONCERNS	POSSIBLE INTERVENTION
1. Poor office building, stations and substations	Construction, renovation and repair of such
2. Competence and proficiency of the protective services	Pursue intensive up-to-date training and development program for protective service personnel
	Professionalization of protective personnel
	Conduct of seminars on how-to-deal-emergency-cases procedures
	Effective law enforcement
3. Round-the-clock security	Visibility of security personnel
	Installation of CCTV Camera
	Active participation of Barangay officials and households
4. Inadequate communication devices and response vehicles	Procurement of basic emergency response devices such as night sticks, whistles, fire hydrants, reflectorized vests, etc.
	Sufficient budget allocation

PROTECTIVE SERVICES

I. EXISTING PROFILE

A. PROTECTIVE SERVICES BY FACILITIES AND EQUIPMENT

The primary guardian of peace and order in Angono is the local Philippine National Police (PNP) which holds Headquarter, Sub-Station and Outpost in the town. The main headquarter in Brgy. San Isidro occupies a 450 square-meter lot area and is manned by 51 PNP personnel with the fire protection facility manned with 13 BFP. All these facilities are adjacent to the Municipal hall. There is Sub-Station and Outpost located at Bgy. Mahabang Parang and Bgy. San Isidro. The police station is also equipped with one (1) PNP Isuzu back to back and three (3) motorcycles.

Table 33. PROTECTIVE SERVICES BY FACILITIES AND EQUIPMENT, Year 2015

Type of Services	Location	Area, sqm	No. of Personnel	Personnel to Population Ratio	Equipment		Condition
					Vehicle	Others	
Police							
Headquarter	Municipal Compound, San Isidro	450	51	1:1,896	1-Isuzu Back to Back 3-Motor-cycle		Serviceable Serviceable
Outpost	ML Quezon Avenue Extension, Mahabang Parang	24	6				
Outpost	ML. Quezon Avenue, San Isidro	24	2				
Fire Protection	Municipal Compound, San Isidro	123	13-BFP	1:8,603	1-BFP Firetruck 1-Mun. Firetruck 1-Ambulance	4- Fire boots 5 Fire Coat 1-Fire Trousers 3-Fire Gloves	Serviceable
Jail Management	Not applicable						
Others: Brgy. Tanods PSO BPATs	All Barangay Municipal Compound		10-15 Tanods per Brgy. More or Less 379				

Source: PNP, BFP, PSO

The Police Station of Angono consists of five sections, the Intelligence, Investigation, Warrant and Subpoena, Traffic and Patrol sections. The peace and order situation in Angono is generally normal and within the manageable level. Crime situation is relatively under I because of the direct coordination and cooperation of the protective sector with the barangay level on the programs and plans for crime prevention.

Assuming a NSO population of 102,407 in 2010 and a police force of 58, the police to population ratio in Angono is 1:1,766 while the fireman to population ratio is 1:9,310. These ratios are a little short of the minimum standard of one policeman and one fireman for every 1,000 population. Auxiliary protective services such as escort, Public, Safety and Order Personnel, neighbourhood patrol, etc. are also provided by Barangay Tanods and Public Safety and Order Office, which number from 10-15 Tanods per barangay and more or less 379 personnel. *Table 33.*

Crimes are classified into index and non-index categories. An Index crime is defined as that of serious nature and occurs with sufficient frequency and regularity. Crimes against persons and crimes against properties comprise the index crimes. Index crimes made up most of the total crimes committed and robbery had the highest incidence.

B. FIRE AND CRIME INCIDENCE

Table 34. Fire Incidence for the Last 5 Years, 2010-2014

Barangay	Origin/Cause	Frequency of Occurrence				
		2010	2011	2012	2013	2014
Bagumbayan						
Kalayaan	Accidental	1		1	1	2
Mahabang Parang	Accidental		1	1	1	3
Poblacion Ibaba	Accidental			1		2
Poblacion Itaas						
San Isidro	Accidental	1	1	3	5	18
San Pedro	Accidental				1	
San Roque	Accidental	1	2		1	3
San Vicente	Accidental			1		4
Sto. Niño	Accidental					
Total		3	4	7	9	27

Source: Local Fire Protection Office

From 2010-2014, there was a total of Fifty (50) fire incidence that happened in Angono with break down as follows: 2010 = 3; 2011 = 4; 2012=7; 2013=9; 2014=27. The highest number of fire incidence was noted with a total of 27 cases in the year 2014. The cause of fire incidents were all attributed to unattended

candle/cooking/smoking, electrical connections, LPG gas leakage, lighted cigarette butt and pyrotechnics. (See Table 34).

Presently, Bureau of Fire Protection-Angono has eight fire trucks. These fire trucks cover the 2016 projected population of 113,841 of Angono. With this, for every single fire truck, 14,230 individual can be served.

There were many types of crimes reported for the last three year. These were robbery, physical Injury, theft, car napping, homicide, rape and other form of crimes. These crimes were perpetrated by a number of 590 offenders (473 males, 40 females and 77 unknown genders). The crimes in this municipality have increasing number of cases for three consecutive years. The number of crimes in 2009 was 124 cases and increased to 262 in 2014. Noted as the lowest crime incidents for the last three years is Barangay Bagumbayan with only 13 cases while Barangay San Isidro has the highest crime incidents with a total of 219 cases. See Table 35 and 36.

Two police outposts are present in Angono. 0.2% per 1,000 households can be served by these outposts. This is obtained by using the computation below:

$$\frac{2}{1,000} = 0.2\%$$

Table 35. CRIME INCIDENCE, Year 2013-2015

Barangay	Type of Crimes	2013			2014			2015		
		Male	Female	Unknown	Male	Female	Unknown	Male	Female	Unknown
Bagumbayan	Carnapping			1						
	Illegal Gambling	1								
	Violation to Comprehensive Dangerous Drugs Act					1		5	1	
	Violation to Anti-Violence Against Women and their Children Act							1		
	Robbery	1								
	Threat	1								
	Violation of RA 9165	1								
Sub-Total		5			1			7		
Kalayaan	Alarm and Scandal				1					
	Anti-fencing	1								
	Carnapping			2				1		2
	Frustrated Homicide	1								
	Frustrated Murder	2								
	Murder			1						1
	Illegal Gambling	1								

	Physical Injury			1		1	1		2	
	Possession of Explosive (Grenade)	1								
	Theft	1	1							
	Child Abuse	1		1					1	
	Violation to Comprehensive Dangerous Drugs Act	3		10			4		1	
	Violation to Anti-Violence Against Women and their Children Act			1					1	
	Illegal Gambling				1					
	Rape								3	
	Robbery	2								
	Physical Injury			4		2				
	Shooting Incident, Comelec Gun Ban	1								
	Stabbing / Hacking - M			1						
	Urban Dev't and Housing (Act of 1992)			1						
	Sub-Total		18		24		17			
Mahabang Parang	Abduction with Rape			1			3			
	Acts of Lasciviousness						1			
	Alarm and Scandal	1								
	Attempted Rape	1								
	Comelec Gun Ban	1					1			
	Double Frustrated Homicide	1								
	Frustrated Homicide	2		1						
	Gas Tank			1						
	Illegal Possession of Deadly Weapon			1			1			
	Child Abuse	1		3	1		1			
	Incest	2								
	Kidnapping			set aside due to victim						
	Malicious Mischief with Alarm and Scandal	1		1						
	Murder								1	
	Illegal Gambling	1								
	Alarm and Scandal	2						2		
	Physical Injury					1		9		
Theft							1			
Firearms and Ammunition			2				1			
Violation to Comprehensive Dangerous Drugs Act			2				6			

	Violation to Anti-Violence Against Women and their Children Act	1			4			2		
	Illegal Gambling				1			1	1	
	Rape				2			3		
	Rape in relation to RA7610	1								
	Robbery	3		1	1			1		2
	Robbery Hold-up and BP6	1								
	Special Laws				1					
	Swindling	1	1							
	Theft	2			4			2		
	Trespassing				1					
	Usurpation				1					
	Frustrated Homicide, Illegal Possession of FA and Obstruction of Justice	1								
	Sub-Total				25			29		39
San Isidro	Acts of Lasciviousness	1						2		
	Alarm and Scandal				4			7		
	Assault/Resistance to authority				1			7		
	Carnapping	1		3			2	2		6
	Direct Assault							1		
	Estafa				1					
	FTR(Failed to Return)				1					
	Homicide	2			1		1	4		
	Illegal Possession of Deadly Weapon				1			2		
	Malicious Mischief RIR							2		
	Murder						3			
	Other Non-index Crime				3	1				
	Physical Injury				7			17		1
	Physical Injury - RIR				2					
	Theft	4			6			13	3	
	Illegal Possession of Fire Arms and Ammo					1		1		
	Violation of Land Transportation and Traffic Code/Motorcycle Helmet Act				3			2		
Child Abuse	1			6	1					
Violation to Comprehensive Dangerous Drugs Act	7			7			16			

	Violation to Anti-Violence Against Women and their Children Act	6			6			1		
	Illegal Gambling				2					
	Rape	1			3			3		
	RIR to damage Property	2								
	Robbery	2		2	9	2		2		12
	Robbery in relation to Omnibus Election Code	1								
	Swindling								1	
	Threat/Coercion						1	1		
	Trespassing						1	1		
	Usurpation				1					
	Violation of Omnibus Election Code	1								
	Illegal Possession of Fire Arms and Deadly Weapon	1								
	Sub-Total			35		77		107		
San Roque	Robbery	1			2			1		2
	RIR to damage Property and physical Injury	2								
	Carnapping	1		3				1	2	1
	RIR to Damage Property	1		3				1	2	1
	Swindling	1								
	Theft	2	1	1				6	2	
	Double Frustrated Murder	1								
	Frustrated Homicide	2								
	Phyiscal Injuries, Malicious Mischief and Resisting Arrest	1			1					
	Violation to Comprehensive Dangerous Drugs Act	1								
	Frustrated Murder	2								
	Antifencing Law	1			1					
	Theft with RA 9165	1								
	Violation to Anti-Violence Against Women and their Children Act	1			1	1				
	Alarm and Scandal	1								
	Assault/Resistance to authority	1								
	Illegal Gambling	1			1					
	Child Abuse				3					
Comprehensive Dangerous Drugs				10			13			

	Act								
	Falsification of public documents				1				
	Illegal Possession of Deadly Weapon				4		1		
	Estafa				1				
	Physical Injury				2				1
	Rape				1				
	Homicide RIR				1				
	Clothing Dry \ Goods				1				
	Abduction						1		
	Acts of Lasciviousness						1		
	Murder								1
	Unjust Vexation						2		
	Sub-Total		29		31		39		
Poblacion Ibaba	Illegal Gambling	1							
	Physical Injury	1	1						
	Violation to Comprehensive Dangerous Drugs Act	1			1	1	2	3	
	Theft				1				
	Physical Abuse				1				
	Child Abuse				1				
	Rape						1		
	Motornapping						2		
	Sub-Total	4			5		8		
San Pedro	Violation to Comprehensive Dangerous Drugs Act and BP6 Omnibus Election Code	1							
	Rape	1							
	Carnapping			1					3
	Theft	1	1		4	4	5	2	
	Violation to Comprehensive Dangerous Drugs Act	2							
	Illegal Gambling	1							
	Violation to Anti-Violence Against Women and their Children Act				1				
	Physical Injury				1		2		
	Alarm and Scandal						1		
	Violation to BP6						1		
	Direct Assault						1		
Estafa							1		

	Child Abuse							1		
Sub-Total		8			10			17		
Sto. Niño	Carnapping	1		1				1		
	Violation to Comprehensive Dangerous Drugs Act	2				3		3		
	Rape					1				
	Child Abuse					1				
	Theft							1		1
	Acts of Lasciviousness							1		
	Violation to Anti-Violence Against Women and their Children Act							1		
	Physical Injury							1		
	Robbery							1		
Sub-Total		4			5			10		
San Vicente	Violation to Comprehensive Dangerous Drugs Act	3				3		5		
	Swindling		1				1			
	Illegal Possession of Deadly Weapon					1				
	Violation to Land Transportation and Traffic Code					1				
	Rape					1		2		
	Robbery					2				
	Violation to Anti-Violence Against Women and their Children Act					1				
	Robbery Homicide					1				
	Illegal Gambling					1				
	Theft					1		1		
	Physical Injury					1		4		
	Child Abuse							1		
	Carnapping							1		3
Murder							1			
Sub-Total		4			14			18		
Total		132			196			262		

Source: Philippine National Police, Angono

II. CURRENT AND PROJECTED DEVELOPMENT NEEDS

The significant increase of crime incidents during the period 2013-2015 is an indicator of the peaceful and orderly situation of the town of Angono. One of the reason for the increasing cases of crime is the below standard of Police to Population Ratio of 1:1,931 in the municipality. By following the minimum PNP standard ratio of 1:1,000 and the projected population of 135,809 in 2026, a total of 213 policemen will be needed to provide ample security for the town. With a present police force of 59, there is a need to augment the force with an additional seventy seven (77) personnel (*Table 36*). Ultimately, the number of additional police force shall depend on the actual peace and order situation in the future.

Table 36. CURRENT AND PROJECTED REQUIREMENT FOR POLICE AND FIREMEN, Year 2016-2026

Year	Projected Population	*Police Force Requirement	**Firemen Requirement
2016	113,938	54	1
2017	115,966	57	2
2018	118,030	59	2
2019	120,131	61	2
2020	122,270	63	2
2021	124,446	65	3
2022	126,661	68	3
2023	128,916	70	3
2024	131,098	72	3
2025	133,436	74	4
2026	135,809	77	4

Computed based on Population Projection and Standard Ratio of:

*1 policeman for every 1,000 population;

**1 fireman for every 8,000 population.

The Local Government Code or RA 6975 also mandates the establishment of at least one (1) fire station with adequate personnel, fire fighting facilities and equipment in every city and municipality. It is the option of the Municipal Government to establish this facility although it is not warranted by the present situation. Considering the ideal fireman to population ratio of 1:8,000, a total of 2 additional firemen are required at present. These shall be increased to a total of 17 firemen by 2026. It is noted that the 621 square-meter space shared by the protective services facilities adjoining the Municipal Hall in Barangay San Isidro is not adequate enough as per the standard lot requirement for a police station type A. At least a 2,500 square-meter lot is required or an additional lot area of 1,879 square meters, if warranted by the situation.

III. ANALYSIS MATRIX

The following matrix generated during for issues and concerns on protective services:

ISSUES AND CONCERNS	POSSIBLE INTERVENTION
5. Poor office building, stations and substations	Construction, renovation and repair of such
6. Competence and proficiency of the protective services	Pursue intensive up-to-date training and development program for protective service personnel
	Professionalization of protective personnel
	Conduct of seminars on how-to-deal-emergency-cases procedures
	Effective law enforcement
7. Round-the-clock security	Visibility of security personnel
	Installation of CCTV Camera
	Active participation of Barangay officials and households
8. Inadequate communication devices and response vehicles	Procurement of basic emergency response devices such as night sticks, whistles, fire hydrants, reflectorized vests, etc.
	Sufficient budget allocation

Map 6. Socio-Protective Services Map

