

# Chapter VII. Infrastructure Sector

## TRANSPORT

The vitality of transport means and transportation networks are very important for any province, thus having an efficient and effective transport system, access roads and traffic circulation is a good indicator of a well-organized province and is an added factor for investment that will likely lead to development.

The province's transport infrastructure has kept on moving with the increasing industrial and commercial activities which sometimes results to quilts of urban sprawl, traffic congestion and increased road accidents. From this, more transportation facilities, better traffic control systems and road signages are provided by the provincial government.

### Roads and Bridges

Generally, the transportation system in the Province of Cavite is predominantly land-based, of which the main transport mode is road-based. The roads are classified into national, provincial, city/municipal, and barangay roads. The national roads form part of the trunkline systems and are connected by provincial roads from one city/municipality to another, and the city/municipal roads interlink barangays.

Cavite's total road network comprises roughly 2,222.0714 kilometers wherein 18.20 percent or 404.3580 kilometers are national roads while 370.6770 kilometers or 16.68 percent are provincial roads. Most of these roads are surfaced with concrete or asphalt. Moreover, 90.22 percent or 287.9257 kilometers of the city/municipal roads are paved with concrete while majority of the 1,127.9041 kilometers barangay roads are earthfill and concrete roads. Table 7.1 shows the total road length of the province in 2008 (Table 7.1).

Cavite has six (6) major entrances and exits: the Aguinaldo Boulevard (Manila-Cavite Coastal Road), South Luzon Expressway (SLEX) in Carmona, the Aguinaldo Highway (Batangas-Alfonso-Tagaytay Road), the Zapote-Las Piñas Road, the Sta. Rosa-Tagaytay Road, and the Alabang-Molino via Daang Hari Road.

Table 7.2 shows that there are 311 bridges which connect roads in different cities and municipalities of the province. These are also classified as national, provincial, city/municipal and barangay bridges wherein 255 or 89.99 percent of these have permanent structures having a total length of 4,917.94 linear meters while 56 or 18.01 percent are temporary structures registering a total length of 1,093.15 linear meters (Table 7.2).

Table 7.1 Summary of Existing Roads and Bridges, Province of Cavite: 2008

Road Classification	Type of Pavement				Total Length of Roads (Km)	Total Length of Bridges (Km)	Total Length of Roads & Bridges (Km)
	Concrete (Km)	Asphalt (Km)	Gravel (Km)	Earthfill (Km)			
National	197.0557	204.5033	2.7990	0.0000	404.3580	2.5926	406.9506
Provincial	256.0390	47.7090	66.9290	0.0000	370.6770	1.3267	372.0037
City/Municipal	287.9257	17.7754	3.4600	9.9712	319.1323	0.6804	319.8126
Barangay	652.9620	25.8291	90.9271	358.1860	1,127.9041	1.4115	1,129.3156
<b>TOTAL</b>	<b>1,393.9824</b>	<b>295.8168</b>	<b>164.1151</b>	<b>368.1571</b>	<b>2,222.0714</b>	<b>6.0111</b>	<b>2,228.0824</b>

Table 7.2 Number and Length of Existing Bridges, Province of Cavite: 2008

Classification	Number			Length in Linear Meter		Total
	Permanent	Temporary	Total	Permanent	Temporary	
National	89	2	91	2,511.73	80.90	2,592.63
Provincial	75	8	83	1,212.66	114.00	1,326.66
City/Municipal	26	5	31	466.35	214.00	680.35
Barangay	65	41	106	727.20	684.25	1,411.45
<b>TOTAL</b>	<b>255</b>	<b>56</b>	<b>311</b>	<b>4,917.94</b>	<b>1,093.15</b>	<b>6,011.09</b>

Source: Special Projects Division  
Provincial Planning and Development Office, Trece Martires City

## Transport Facilities

Based on 2009 data gathered from Land Transportation Office (LTO), Region IV in Lipa City, Batangas, there are 208,718 units of motor vehicles registered in the province by which 39.74 percent or 82,944 units are registered in Imus District Office while 24.19 percent or 50,494 units are in Cavite City District Office. Tagaytay City District Office reflects a total of 41,032 units and Dasmariñas City Office has a total of 34,248 units or 16.40% share. These vehicles which regularly ply the roads in the province include cars, utility vehicles, sports utility vehicle, trucks, buses, motorcycle/tricycle and trailers (Table 7.3).

Table 7.4 shows that LTO Cavite has issued 89,559 licenses by which 55,565 or 62.04 percent are professional licenses while 37.96 percent or 33,994 are non-professional licenses. Permits issued are categorized as student and conductor permits with 36,109 and 464 issuances, respectively which result to a total of 126,132 issued licenses and permits.

Table 7.3 Number of Registered Motor Vehicles by Type, Province of Cavite: 2009

Type of Vehicle	Number of Vehicle Registration				Total
	Imus	Cavite City	Tagaytay City	Dasmariñas City	
Cars	13,881	6,060	6,205	4,034	<b>30,180</b>
Utility Vehicle	29,575	12,888	16,737	7,142	<b>66,342</b>
Sports Utility Vehicle	2,241	1,134	971	546	<b>4,892</b>
Truck	1,951	830	854	250	<b>3,885</b>
Buses	409	929	177	9	<b>1,524</b>
Motorcycle/Tricycle	34,782	28,617	16,075	22,262	<b>101,736</b>
Trailers	105	36	13	5	<b>159</b>
<b>TOTAL</b>	<b>82,944</b>	<b>50,494</b>	<b>41,032</b>	<b>34,248</b>	<b>208,718</b>

Source: Land Transportation Office, Region IV-A, Lipa City

Table 7.4 Number of Licenses and Permits Issued by Classification, Province of Cavite: 2009

Land Transportation Office		Licenses							Permit					Total Licenses and Permits Issued	
		Professional			Non-Professional			Total	Student Permit		Conductors Permit				Total
		New	Renewal	Sub-Total	New	Renewal	Sub-Total		New	Sub-Total	New	Renewal	Sub-Total		
Tagaytay City	M	2,743	13,374	16,117	2,958	3,705	6,663	25,748	3,925	3,925	184	92	276	6,514	32,262
	F	45	91	136	1,278	1,554	2,832		2,312	2,312	1		1		
Imus	M		10,901	10,901		400	400	17,828	6,009	6,009	15		15	8,925	26,753
	F		573	573		5,954	5,954		2,901	2,901					
Dasmariñas City	M		7,150	7,150	21	2,903	2,924	11,603	7,179	7,179		9	9	9,821	21,424
	F		19	19	10	1,500	1,510		2,633	2,633					
Kawit	M	3,761	13,330	17,091	5,391	4,632	10,023	30,912	6,208	6,208	163		163	8,030	38,942
	F	14	140	154	2,140	1,504	3,644		1,659	1,659					
Cavite City	M		3,377	3,377		30	30	3,468	2,369	2,369				3,283	6,751
	F		47	47		14	14		914	914					
<b>TOTAL</b>		<b>6,563</b>	<b>49,002</b>	<b>55,565</b>	<b>11,798</b>	<b>22,196</b>	<b>33,994</b>	<b>89,559</b>	<b>36,109</b>	<b>36,109</b>	<b>363</b>	<b>101</b>	<b>464</b>	<b>36,573</b>	<b>126,132</b>

Source: Land Transportation Office, Region IV-A, Lipa City

## COMMUNICATION

Telecommunication and postal services add to the sophistication of various establishments located in the province. These services are also useful at home, schools and government and private offices. Telephone services are being provided mostly by the Philippine Long Distance Telephone Company (PLDT), Digital Telecommunications Philippines, Inc. (DIGITEL) and Globe Telecommunications.

Data gathered from the City/Municipal Planning and Development Offices show that Cavite has 342 cell sites strategically located all over the province. District VII tops among the seven districts with 84 cellsites followed by Districts VI and V with 81 and 57 cellsites, respectively. Details of these are presented on Table 7.5 and 7.6. Telecommunication services in the province are provided by Radio Communication of the Philippines, Incorporated (RCPI), Philippine Telegraph and Telephone Company (PT & T), LBC Forwarder and DHL Forwarder.

Table 7.1 Location of Cellsites by City/Municipality, Province of Cavite: 2009

City/Municipality	Cellsite Company								Total
	Smart	Globe	Digitel	Piltel	Sun Cellular	Nextel	Islacom	Mega Cellular Network	
<b>District I</b>	<b>8</b>	<b>9</b>	<b>6</b>		<b>3</b>		<b>2</b>		<b>28</b>
Cavite City	1	5	1		1				8
Kawit	3	1	3				2		9
Noveleta	2	1			1				4
Rosario	2	2	2		1				7
<b>District II</b>	<b>12</b>	<b>10</b>	<b>14</b>						<b>36</b>
Bacoor	12	10	14						36
<b>District III</b>	<b>3</b>	<b>5</b>	<b>10</b>					<b>1</b>	<b>19</b>
Imus	3	5	10					1	19
<b>District IV</b>	<b>16</b>	<b>12</b>	<b>6</b>			<b>3</b>			<b>37</b>
Dasmariñas City	16	12	6			3			37
<b>District V</b>	<b>14</b>	<b>24</b>	<b>17</b>		<b>1</b>	<b>1</b>			<b>57</b>
Carmona	2	5							7
Gen. M. Alvarez	2	1				1			4
Silang	10	18	17		1				46
<b>District VI</b>	<b>23</b>	<b>31</b>	<b>17</b>		<b>8</b>	<b>1</b>	<b>1</b>		<b>81</b>
Trece Martires City	3	5	1		4	1	1		15
Amadeo	6	6	2						14
Gen. Trias	10	14	8		3				35
Tanza	4	6	6		1				17
<b>District VII</b>	<b>29</b>	<b>40</b>	<b>1</b>	<b>1</b>	<b>13</b>				<b>84</b>
Tagaytay City	5	6			1				12
Alfonso	4	6			2				12
Gen. E. Aguinaldo	2	1			1				4
Indang	7	7			4				18
Magallanes	2	3							5
Maragondon		4		1	1				6
Mendez	3	3			3				9
Naic	3	7	1						11
Ternate	3	3			1				7

<b>TOTAL</b>	<b>105</b>	<b>131</b>	<b>71</b>	<b>1</b>	<b>25</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>342</b>
--------------	------------	------------	-----------	----------	-----------	----------	----------	----------	------------

Source: City/Municipal Planning and Development Offices, Cavite

City/Municipality	Name of Company	Location
<b>District I</b>		
Cavite City	SMART	Brgy. 31 (Ronquillo St.)
	GLOBE	Corregidor (2), Brgy. 38 (Crescini St.), Brgy 3 (Escobar St.) Brgy. 53 B (Sangley Point)
	DIGITEL	Brgy. 35 (Lopez Jaena St.)
	SUN CELLULAR	Corregidor
Kawit	SMART	Gahak, Binakayan, Putol
	GLOBE	Wakas
	DIGITEL	Putol, Binakayan, Gahak
	ISLACOM	Balsahan, Binakayan
Noveleta	SMART	San Rafael IV, Poblacion
	GLOBE	San Rafael IV
	SUN CELLULAR	San Rafael III
Rosario	SMART	Muzon I, Tejeros Convention
	GLOBE	Tejeros Convention, Muzon I
	DIGITEL	Tejeros Convention, Ligtong II
	SUN CELLULAR	Kanluran
<b>District II</b>		
Bacoor	SMART	Panapaan VII, Niog II, Molino Road, Ligas II, San Nicolas II, Panapaan ( 2 -Aguinaldo Highway & Tirona Highway), Mambog , Molino III, Queens Row-Molino West, Talaba VII, Molino 1
	GLOBE	San Nicolas I, Salinas I, Panapaan V, Molino III, Molino, Mambog, San Nicolas III, Talaba VII, Ligas II, Ligas III
	DIGITEL	Talaba VII, Habay II, Molino III ( Celestino Subd.), Niog 1, Niog III, Salinas, Mambog IV, Ligas 1, San Nicolas III, Molino, Niog, Molino III (Buhay na Tubig), Molino II, Molino VII
<b>District III</b>		
Imus	SMART	Buhay na Tubig, Pasong Buwaya II, Anabu I-E
	GLOBE	Poblacion 2-A, Bucandala 4, Alapan I-B, Palico 4, Buhay na Tubig
	DIGITEL/SUN CELLULAR	Anabu I-C, Bayan Luma 3, Carsadang Bago 2, Malagasang 2-A, Palico 4, Carsadang Bago I, Bucandala V, Buhay na Tubig,Tanzang Luma V, Toclong II-A
	MEGA CELLULAR NETWORKS, INC.	Tanzang Luma I
<b>District IV</b>		
Dasmariñas City	SMART	Fatima III, BuroI III, Salitran II, TUP, Salawag, Paliparan II, Paliparan III, Paliparan I, GSK Builders Center, Sampaloc II, Langkaan I, Zone II, Bucal, Sampaloc I, EAC Bldg. Villa Luisa, Kadiwa
	GLOBE	BuroI III, Sampaloc IV, Paliparan III, Salitran IV, Salawag, Paliparan II, Sampaloc IV, Sampaloc II, Langkaan I, Sampaloc I, FSC Bldg., Salitran II

	DIGITEL	Fatima II, Salawag, Langkaan I, Paliparan I, Salitran II, Zone I
	NEXTEL	Salitran II, Sampaloc II, Langkaan I
<b>District V</b>		
Carmona	SMART	Maduya, Cabilang Baybay
	GLOBE	Bancal (2), Cabilang Baybay (Southwoods), Maduya (2 - Alvarez Village & On Secondconductor)
Gen. Mariano Alvarez	SMART	Olaez, F. Reyes
	GLOBE	Pulido
	NEXTEL	San Gabriel
Silang	SMART	Biga I, Tartaria, Pasong Langka, San Vicente I, Lalaan I, Calubcob, Ulat, Lumil, Munting Ilog, Maguyam
	GLOBE	Acacia, Malaking Tatiao, Tibig, Lalaan I, Tartaria, Puting Kahoy, San Vicente II, Kaong, Lumil, Biluso, Calubcob, Litlit, Pulong Bunga, Pulong Saging, Biga I, Lalaan II, Maguyam, Putingkahoy
	DIGITEL	Acacia, Biga II, Lalaan I, Lalaan II, Tartaria, San Miguel I, Munting Ilog, Putingkahoy (2 separate sites), Buho, Pasong Langka, PooC I, Kaong, Kalubkob, Old Bulihan, Biga I, Inchican
	SUN CELLULAR	Lalaan II
<b>District VI</b>		
Trece Martires City	SMART	Inocencio, San Agustin, Osorio
	GLOBE	San Agustin, Inocencio, Hugo Perez, Luciano, Cabezas
	DIGITEL	San Agustin
	SUN CELLULAR	Inocencio, Cabezas, Hugo Perez, Conchu
	NEXTEL	San Agustin
	ISLACOM	Gregorio
Amadeo	SMART	Barangay I, Banaybanay, Buho, Salaban, Dagatan, Pangil
	GLOBE	Barangay 5, Banaybanay, Dagatan, Loma, Pangil, Salaban
	DIGITEL	Banaybanay, Barangay 6
Gen. Trias	SMART	Bacao II, Sta. Clara, San Francisco (2), San Juan II, Pasong Kawayan II, Buenavista III, Manggahan, Biclatan, Javalera
	GLOBE	Poblacion (Vibora), Pasong Camachile I, Pasong Camachile II, Santiago, San Francisco (3), Pasong Kawayan II, Buenavista II, Manggahan (2), Javalera, Panungyanan, Tejero
	DIGITEL	Bacao II, Poblacion, Pasong Camachile I, San Juan II, Pasong Kawayan II, Pinagtipunan, Manggahan, Biclatan
	SUN CELLULAR	Buenavista III, Manggahan, San Francisco
Tanza	SMART	Amaya VI, Sahud-ulan, Tanauan, Daang Amaya III
	GLOBE	Daang Amaya I, Paradahan I, Biga, Julugan V, Tres Cruses, Amaya VI
	DIGITEL	Calibuyo, Daang Amaya II, Tanauan, Paradahan II, Biwas, Sahud-ulan
	SUN CELLULAR	Amaya II
<b>District VII</b>		
Tagaytay City	SMART	Sungay West, San Jose, Maharlika West, Neogan, Calabuso
	GLOBE	Dapdap East, Francisco, Kaybagal South, Silang Crossing West, Maitim II East, Calabuso
	SUN CELLULAR	Maitim II East

Alfonso	SMART	Pajo, Luksuhin Ilaya, Taywanak Ilaya, Matagbak I
	GLOBE	Poblacion II, Luksuhin Ilaya, Amuyong, Kaysuyo, Mangas I, Buckestate
	SUN CELLULAR	Buckestate, Marahan I
Gen. E. Aguinaldo	SMART	Poblacion IV, Castaños Lejos
	GLOBE	Poblacion I
	SUN CELLULAR	Poblacion I
Indang	SMART	Mataas na Lupa, Calumpang Lejos, Tambo Kulit, Poblacion I, Alulod, Lumampong Halayhay, Buna Lejos II
	GLOBE	Mataas na Lupa, Alulod, Calumpang Lejos, Kaytapos, Kayquit III, Guyam Munti, Lumampong Balagbag
	SUN CELLULAR	Mataas na Lupa, Ma. Kahoy Cerca, Buna Cerca, Calumpang Lejos
Magallanes	SMART	Barangay 2, Medina
	GLOBE	Barangay 3, Cabulusan, Bendita 2
Maragondon	PILTEL	Garita A
	GLOBE	Pantihan 3, Pantihan 4, Tulay B, Garita B
	SUN CELLULAR	Garita A
Mendez	SMART	Galicia 3, Palocpoc 1, Panungyan 2
	GLOBE	Galicia 3, Panungyan 2, Anuling Lejos 2
	SUN CELLULAR	Galicia 3 (Rizal St.), Galicia 3 (Salazar Rd.), Asis 3
Naic	SMART	Ibayo Silangan, Muzon, Bancaan
	GLOBE	Santulan, Ibayo Silangan, Palangue, Labac, Ibayo Estacion, Sapa, Timalan Balsahan
	DIGITEL	Zamora-Humbac
Ternate	SMART	San Juan II, Sapang I ( 2- Nino Franco Resort & Puerto Azul Complex)
	GLOBE	Sapang I (3-Caylabne Bay Resort, Puerto Azul Complex & Niño Franco Resort)
	SUN CELLULAR	Poblacion II

Source: City/Municipal Planning and Development Offices, Cavite

Based on 2008 data gathered from National Telecommunications Commission, Batangas City, operating radio stations available in Cavite were categorized as to AM Broadcasting, FM Broadcasting, and Low Power (Community Radio) Station (Table 7.7). Philippine Telegraph and Telephone Company (PT & T); LBC Express, Inc. and DHL Forwarder also perform specific telecommunication services throughout the province. The Philippine Postal Corporation takes postal service in the cities/municipalities of Cavite. Records gathered from this office show that there are 34 post offices in the province responsible for posting and delivering a total of 10,698,719 mails wherein 9,996,445 are domestic mails and 702,274 are international mails (Table 7.8). Telegraph services are provided under the supervision of the Bureau of Telecommunications.

Table 7.2 Operating Radio Stations, Province of Cavite: 2008

OPERATING AGENCY	LOCATION		CALL-SIGN
	TRANSMITTER	STUDIO	
<b>I. AM BROADCASTING</b>			
Delta Broadcasting System	Manila-Cavite Road, San Rafael III, Noveleta	118 Amorsolo St., Legaspi Village, Makati City	DWXI - AM
<b>II. FM BROADCASTING</b>			
De La Salle University	JFH Building, DLSU Campus, Dasmaringas, Cavite	JFH Building, DLSU Campus, Dasmaringas, Cavite	DWSU - FM
Manila Broadcasting Company/Family Star Radio	Multipurpose Coop Complex, Tejero, Gen. Trias	Multipurpose Coop Complex, Tejero, Gen. Trias	Family Star Radio
Manila Broadcasting Company	M. Kiamzon St., Silang, Cavite	M. Kiamzon St., Silang, Cavite	Radyo Natin Silang
Manila Broadcasting Corp./ A & W Media Services	197 Maitim 2nd, Tagaytay City	197 Maitim 2nd, Tagaytay City	Beat - FM
Calabarzon Broadcasting Network	3/F Cavite Broadcasting Center, P. Burgos Ave, Caridad, Cavite City	3/F Cavite Broadcasting Center, P. Burgos Ave, Caridad, Cavite City	91.9 Bomb - FM
<b>III. LOW POWER (COMMUNITY RADIO) STATION</b>			
Manila Broadcasting Company	Kristoran Bldg. Burol Uno, Area B, Dasmaringas, Cavite	Kristoran Bldg. Burol Uno, Area B, Dasmaringas, Cavite	FM Commercial
Manila Broadcasting Company	323 Daang Amaya, Tanza, Cavite	323 Daang Amaya, Tanza, Cavite	

Source: National

Telecommunications Commission, Region IV, Batangas City

Table 7.3 Volume of Mails Handled, Summary of Mails Posted and Delivered by City/Municipality, Province of Cavite: 2009

City/Municipality	Number of Post Offices	Volume of Mails Handled	Domestic Mails			International Mails		
			Posted	Delivered	Total	Posted	Delivered	Total
<b>District I</b>	<b>5</b>	<b>1,386,798</b>	<b>199,706</b>	<b>1,040,772</b>	<b>1,240,478</b>	<b>46,740</b>	<b>99,580</b>	<b>146,320</b>
Cavite City	1	329,780	71,937	199,559	271,496	25,059	33,225	58,284
Kawit	1	330,337	66,771	241,221	307,992	4,062	18,283	22,345
Noveleta	1	116,715	7,333	93,926	101,259	8,835	6,621	15,456
Rosario	2	609,966	53,665	506,066	559,731	8,784	41,451	50,235
<b>District II</b>	<b>3</b>	<b>1,404,359</b>	<b>130,595</b>	<b>1,197,193</b>	<b>1,327,788</b>	<b>23,228</b>	<b>53,343</b>	<b>76,571</b>
Bacoor	3	1,404,359	130,595	1,197,193	1,327,788	23,228	53,343	76,571
<b>District III</b>	<b>2</b>	<b>1,541,857</b>	<b>404,585</b>	<b>1,043,860</b>	<b>1,448,445</b>	<b>53,079</b>	<b>40,333</b>	<b>93,412</b>
Imus	2	1,541,857	404,585	1,043,860	1,448,445	53,079	40,333	93,412
<b>District IV</b>	<b>5</b>	<b>1,759,622</b>	<b>210,901</b>	<b>1,437,927</b>	<b>1,648,828</b>	<b>44,723</b>	<b>66,071</b>	<b>110,794</b>
Dasmariñas City	5	1,759,622	210,901	1,437,927	1,648,828	44,723	66,071	110,794
<b>District V</b>	<b>5</b>	<b>1,467,722</b>	<b>163,089</b>	<b>1,237,907</b>	<b>1,400,996</b>	<b>30,659</b>	<b>36,067</b>	<b>66,726</b>
Carmona	1	146,581	31,216	104,090	135,306	4,732	6,543	11,275
Gen. M. Alvarez	2	344,147	55,829	266,889	322,718	10,398	11,031	21,429
Silang	2	976,994	76,044	866,928	942,972	15,529	18,493	34,022
<b>District VI</b>	<b>5</b>	<b>1,815,202</b>	<b>192,798</b>	<b>1,546,867</b>	<b>1,739,665</b>	<b>22,538</b>	<b>52,999</b>	<b>75,537</b>
Trece Martires City	1	414,693	105,376	299,901	405,277	4,945	4,471	9,416
Amadeo	1	34,683	1,634	28,162	29,796	656	4,231	4,887
Gen. Trias	2	916,124	44,451	834,819	879,270	9,831	27,023	36,854
Tanza	1	449,702	41,337	383,985	425,322	7,106	17,274	24,380
<b>District VII</b>	<b>9</b>	<b>1,323,159</b>	<b>197,379</b>	<b>992,866</b>	<b>1,190,245</b>	<b>34,446</b>	<b>98,468</b>	<b>132,914</b>
Tagaytay City	1	450,265	118,822	288,503	407,325	20,501	22,439	42,940
Alfonso	1	52,860	8,507	36,318	44,825	1,547	6,488	8,035
Gen. Aguinaldo	1	17,639	681	16,207	16,888	215	536	751
Indang	1	233,625	8,466	212,657	221,123	1,750	10,752	12,502
Magallanes	1	57,747	4,352	39,823	44,175	1,192	12,380	13,572
Maragondon	1	74,564	7,480	56,557	64,037	1,538	8,989	10,527
Mendez	1	67,069	4,215	55,080	59,295	1,970	5,804	7,774
Naic	1	351,154	41,456	273,509	314,965	5,377	30,812	36,189
Ternate	1	18,236	3,400	14,212	17,612	356	268	624
<b>TOTAL</b>	<b>34</b>	<b>10,698,719</b>	<b>1,499,053</b>	<b>8,497,392</b>	<b>9,996,445</b>	<b>255,413</b>	<b>446,861</b>	<b>702,274</b>

Source: Philippine Postal Corporation, San Pablo City, Laguna



## POWER

The electric power of the entire province of Cavite is being supplied by the National Power Corporation (NPC) through the Manila Electric Company (MERALCO). All towns down to all barangays of Cavite has access to electric power supplied by Meralco, thus giving the province's energization rate to 100 percent.

Table 7.9 shows the total number of connections in Cavite totaling to 626,969. These are categorized as residential having 93.22 percent of the total connections or 584,464, commercial with 41,312 connections, industrial registering 559 connections and streetlight having 634 connections. Of the seven districts, District IV has the largest number of customer count with 124,491 connections followed by District VI with 117,477 connections. Districts VII and I have the least

number with 72,526 customer count and 62,611 connections respectively.

City/Municipality	Customer Count					Electricity Consumption (kWh)					Average Consumption (kWh/customer/year)				
	Residential	Commercial	Industrial	Street - light	Total	Residential	Commercial	Industrial	Street - light	Total	Residential	Commercial	Industrial	Street - light	Total
<b>District I</b>	<b>56,831</b>	<b>5,734</b>	<b>18</b>	<b>28</b>	<b>62,611</b>	<b>99,380,284</b>	<b>61,926,759</b>	<b>6,440,068</b>	<b>1,096,331</b>	<b>168,843,442</b>	<b>1,749</b>	<b>10,799.92</b>	<b>357,781.56</b>	<b>39,154.68</b>	<b>2,697</b>
Cavite City	17,863	1,922	4	1	19,790	33,521,444	26,775,325	184,490	779,040	61,260,299	1,877	13,931	46,122	779,040	3,096
Kawit	14,252	1,485	8	15	15,760	26,320,763	13,518,956	100,129	178,181	40,118,029	1,847	9,104	12,516	11,879	2,546
Noveleta	9,044	892	1	8	9,945	15,559,811	7,575,985	52,920	88,890	23,277,606	1,720	8,493	52,920	11,111	2,341
Rosario	15,672	1,435	5	4	17,116	23,978,265	14,056,493	6,102,529	50,220	44,187,507	1,530	9,795	1,220,506	12,555	2,582
<b>District II</b>	<b>88,415</b>	<b>5,877</b>	<b>46</b>	<b>125</b>	<b>94,463</b>	<b>198,199,376</b>	<b>102,184,493</b>	<b>9,049,178</b>	<b>1,901,818</b>	<b>311,334,865</b>	<b>2,242</b>	<b>17,387</b>	<b>196,721</b>	<b>15,215</b>	<b>3,296</b>
Bacoor	88,415	5,877	46	125	94,463	198,199,376	102,184,493	9,049,178	1,901,818	311,334,865	2,242	17,387	196,721	15,215	3,296
<b>District III</b>	<b>73,113</b>	<b>4,984</b>	<b>49</b>	<b>65</b>	<b>78,211</b>	<b>139,377,950</b>	<b>67,059,076</b>	<b>69,181,944</b>	<b>930,697</b>	<b>276,549,667</b>	<b>1,906</b>	<b>13,455</b>	<b>1,411,876</b>	<b>14,318</b>	<b>3,536</b>
Imus	73,113	4,984	49	65	78,211	139,377,950	67,059,076	69,181,944	930,697	276,549,667	1,906	13,455	1,411,876	14,318	3,536
<b>District IV</b>	<b>116,916</b>	<b>7,342</b>	<b>124</b>	<b>109</b>	<b>124,491</b>	<b>169,372,930</b>	<b>122,473,365</b>	<b>131,455,511</b>	<b>1,995,773</b>	<b>425,297,579</b>	<b>1,449</b>	<b>16,681</b>	<b>1,060,125</b>	<b>18,310</b>	<b>3,416</b>
Dasmariñas City	116,916	7,342	124	109	124,491	169,372,930	122,473,365	131,455,511	1,995,773	425,297,579	1,449	16,681	1,060,125	18,310	3,416
<b>District V</b>	<b>71,632</b>	<b>5,244</b>	<b>231</b>	<b>83</b>	<b>77,190</b>	<b>96,632,311</b>	<b>72,484,080</b>	<b>165,500,094</b>	<b>1,305,577</b>	<b>335,922,062</b>	<b>1,349</b>	<b>13,822</b>	<b>716,451</b>	<b>15,730</b>	<b>4,352</b>
Carmona	14,471	1,406	158	34	16,069	20,837,377	24,071,398	127,299,736	615,540	172,824,051	1,440	17,120	805,695	18,104	10,755
Gen. M. Alvarez	20,831	1,221	10	12	22,074	28,651,133	13,226,864	943,763	175,250	42,997,010	1,375	10,833	94,376	14,604	1,948
Silang	36,330	2,617	63	37	39,047	47,143,802	35,185,818	37,256,595	514,787	120,101,002	1,298	13,445	591,375	13,913	3,076
<b>District VI</b>	<b>111,215</b>	<b>6,067</b>	<b>84</b>	<b>111</b>	<b>117,477</b>	<b>140,709,295</b>	<b>63,001,469</b>	<b>336,923,581</b>	<b>1,471,755</b>	<b>542,106,100</b>	<b>1,265</b>	<b>10,384</b>	<b>4,010,995</b>	<b>13,259</b>	<b>4,615</b>
Trece Martires City	21,179	1,234	27	17	22,457	23,883,796	16,613,063	37,892,073	276,351	78,665,283	1,128	13,463	1,403,410	16,256	3,503
Amadeo	5,680	364		2	6,046	6,445,155	2,491,623		4,761	8,941,539	1,135	6,845		2,381	1,479
General Trias	50,693	2,173	47	48	52,961	63,614,379	29,931,566	297,811,707	830,013	392,187,665	1,255	13,774	6,336,419	17,292	7,405
Tanza	33,663	2,296	10	44	36,013	46,765,965	13,965,217	1,219,801	360,630	62,311,613	1,389	6,082	121,980	8,196	1,730
<b>District VII</b>	<b>66,342</b>	<b>6,064</b>	<b>7</b>	<b>113</b>	<b>72,526</b>	<b>80,469,329</b>	<b>85,311,264</b>	<b>6,508,212</b>	<b>1,463,400</b>	<b>173,752,205</b>	<b>1,213</b>	<b>14,068</b>	<b>929,745</b>	<b>12,950</b>	<b>2,396</b>
Alfonso	8,898	914	2	8	9,822	9,409,919	6,402,115	265,120	115,434	16,192,588	1,058	7,005	132,560	14,429	1,649
Tagaytay City	11,244	1,812		62	13,118	15,747,691	50,611,669		964,864	67,324,224	1,401	27,931		15,562	5,132
Gen. Aguinaldo	2,859	163	1		3,023	2,878,917	735,979	118,183		3,733,079	1,007	4,515	118,183		1,235
Indang	11,045	782	2	6	11,835	12,901,408	8,022,928	221,520	60,191	21,206,047	1,168	10,259	110,760	10,032	1,792
Magallanes	2,809	180		3	2,992	2,460,542	923,870		48,619	3,433,031	876	5,133		16,206	1,147
Maragondon	5,211	430			5,641	6,488,952	2,034,917			8,523,869	1,245	4,732			1,511
Mendez	5,337	398		7	5,742	5,787,221	2,502,869	320	24,946	8,315,356	1,084	6,289		3,564	1,448
Naic	16,043	1,236	2	25	17,306	20,943,940	11,435,026	5,903,069	213,346	38,495,381	1,305	9,252	2,951,534	8,534	2,224
Ternate	2,896	149		2	3,047	3,850,738	2,641,891		36,000	6,528,629	1,330	17,731		18,000	2,143
<b>TOTAL</b>	<b>584,464</b>	<b>41,312</b>	<b>559</b>	<b>634</b>	<b>626,969</b>	<b>924,141,476</b>	<b>574,440,506</b>	<b>725,058,588</b>	<b>10,165,351</b>	<b>2,233,805,921</b>	<b>1,581</b>	<b>13,905</b>	<b>1,297,064</b>	<b>16,034</b>	<b>3,563</b>

Source: Meralco, Pasig City

## WATER SUPPLY

Water in Cavite is supplied by different service agencies. Maynilad Water Services, Incorporated serve the municipalities of Noveleta, Imus, Bacoor, Kawit, Rosario and Cavite City. Water Districts under Local Water Utilities Administration (LWUA) supply the municipalities of Mendez, Indang, Silang, Gen. Mariano Alvarez, Maragondon, Tanza, Carmona, Amadeo, Gen. Aguinaldo, and the cities of Dasmariñas, Tagaytay and Trece Martires. Likewise, there are private corporations operating as water service providers in the province like General Trias Water Corporation in Gen. Trias, Naic Water System Corporation in Naic and Western Cavite Water Supply and Service Corporation in Ternate, while the municipal governments of Alfonso and Magallanes manage their respective water supply systems (Table 7.10). Commonly, barangays which are not reached by the services of the previously mentioned agencies have their own barangay waterworks and sanitation associations (BWSAs). Other households have their own level system or point source systems which are evident from the data gathered from Provincial Health Office indicating the number of households with access to safe drinking water using level I, level II and level III water system which total to 467,310 (Table

Table 7.5 Water Supply Service Coverage, Province of Cavite: 2009 (7.11).

Water Agency	Number of Customers Served					
	Residential	Commercial	Semi-Business/ Semi-Commercial	Industrial	Gov't	Total
Alfonso Waterworks	1,014	33			6	1,053
Amadeo Water District	3,954	41				3,995
Carmona Water District	6,721	91		7	26	6,845
Dasmariñas Water	87,912	714	11,653		185	100,464
Gen. Aguinaldo Water District	1,900	95	122			2,117
General Mariano Alvarez Water District	10,273	174	390		23	10,860
Indang Water District	4,121	265				4,386
Magallanes Waterworks Office	1,960	28			33	2,021
Maragondon Water District	2,674	182			25	2,881
Maynilad Water Services, Inc.	56,272	1,942	2,738	147		61,099
Mendez Water District	3,193	108				3,301
Naic Water Supply Corp.	3,847	25				3,872
Silang Water District	25,040	1,026			93	26,159
Tagaytay City Water District	9,792	764			65	10,621
Tanza Water District	7,977	332			27	8,336
Western Cavite Water Supply & Services Corp.	950	1				951
Trece Martires City Water District	12,698	305			94	13,097
<b>TOTAL</b>	<b>240,298</b>	<b>6,126</b>	<b>14,903</b>	<b>154</b>	<b>577</b>	<b>262,058</b>

Source: Water District's, Maynilad and Waterworks' Offices, Cavite

Table 7.6 Number of Household with Access to Safe Drinking Water, Province of Cavite: 2009

City/Municipality	Level I	Level II	Level III	Total
<b>District I</b>	<b>12,469</b>	<b>1,004</b>	<b>39,065</b>	<b>52,538</b>
Cavite City	2,694		19,760	22,454
Kawit	3,775		8,210	11,985
Noveleta	3,019		3,218	6,237
Rosario	2,981	1,004	7,877	11,862
<b>District II</b>	<b>31,434</b>		<b>40,995</b>	<b>72,429</b>
Bacoor	31,434		40,995	72,429
<b>District III</b>	<b>17,968</b>		<b>22,161</b>	<b>40,129</b>
Imus	17,968		22,161	40,129
<b>District IV</b>	<b>115</b>		<b>94,130</b>	<b>94,245</b>
Dasmariñas City	115		94,130	94,245
<b>District V</b>	<b>97</b>	<b>2,631</b>	<b>62,946</b>	<b>65,674</b>
Carmona			11,340	11,340
Gen. M. Alvarez			22,010	22,010
Silang	97	2,631	29,596	32,324
<b>District VI</b>	<b>13,216</b>		<b>69,481</b>	<b>82,697</b>
Trece Martires	226		9,186	9,412
Amadeo	6		5,006	5,012
Gen. Trias	5,807		33,969	39,776
Tanza	7,177		21,320	28,497
<b>District VII</b>	<b>10,977</b>	<b>7,224</b>	<b>41,397</b>	<b>59,598</b>
Tagaytay City	297	716	9,120	10,133
Alfonso	121	45	7,402	7,568
Gen. Aguinaldo	20	2,811		2,831
Indang	235	1,424	7,949	9,608
Magallanes		1,532	1,336	2,868
Maragondon	1,164		4,080	5,244
Mendez	180		4,004	4,184
Naic	6,109	696	7,111	13,916
Ternate	2,851		395	3,246
<b>TOTAL</b>	<b>86,276</b>	<b>10,859</b>	<b>370,175</b>	<b>467,310</b>

Source: Provincial Health Office, Trece Martires City

## IRRIGATION

The National Irrigation Administration (NIA) was created under Presidential Decree No. 552 and Cavite Friar Lands Irrigation System (CFLIS) became one of the National Irrigation Systems being managed by NIA. Municipalities served by CFLIS with firmed up-service area (FUSA) of 8,489.59 hectares include Ternate, Maragondon, Naic, Tanza, Gen. Trias, Imus, Dasmariñas City and Bacoor (Table 7.12). Moreover, the municipalities which are being served by the Cavite Provincial Irrigation Office/Communal Irrigation Systems include Ternate, Maragondon, Gen. M. Alvarez and Carmona (Table 7.13). Records also indicate that the major irrigation facilities in the system consist of 18 diversion dams, 72 minor dams, 2 reservoirs and conveyance canals including appurtenant structures.

Table 7.7 City/Municipality Served by Cavite Friar Lands Irrigation System (CFLIS), Province of Cavite: 2009

City/Municipality	Firmed Up Service Area (Has)
<b>District II</b>	<b>83.8471</b>
Bacoor	83.8471
<b>District III</b>	<b>1,133.1894</b>
Imus	1,133.1894
<b>District IV</b>	<b>468.4436</b>
Dasmariñas City	468.4436
<b>District VI</b>	<b>4,194.4856</b>
Tanza	1,747.7540
Gen. Trias	2,446.7316
<b>District VII</b>	<b>2,609.6194</b>
Ternate	39.8500
Maragondon	574.9552
Naic	1,994.8142
<b>TOTAL</b>	<b>8,489.5851</b>

Source: National Irrigation Administration, Naic

Table 7.8 Municipality Served by Cavite Provincial Irrigation Office/Communal Irrigation System, Province of Cavite: 2009

Municipality	Firmed Up Service Area (Has)
<b>District V</b>	<b>282.0000</b>
Gen. M. Alvarez	50.0000
Carmona	232.0000
<b>District VII</b>	<b>148.6250</b>
Ternate	48.6250
Maragondon	100.0000
<b>TOTAL</b>	<b>430.6250</b>

Source: National Irrigation Administration, Naic