Sustainability Performance

This sustainability report of Central Pattana PCL. Is including economic social and environmental aspects according to the company's sustainable development strategy. The contents and details in this report disclose the performance outcomes of the Company and its subsidiaries and associates.

- **Economic:** This report discloses the performance outcomes of the Company and its subsidiaries and associates in Thailand and other country as mentioned in the Annual Report 2020.
- Social and Environmental: This report discloses the performance outcomes of the Company and its subsidiaries and associates in Thailand only and any property that has a significant social and environmental impacts.

Boundary of Sustainability Performance Reporting

| Shopping Center 30 32 32 34 34 30 32 32 34 34 30 32 32 34 34 30 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 34 30 32 32 34 34 34 30 32 32 34 34 34 30 32 32 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 34 34 | No. | Property | | | Socia | | | | Env | /ironme | ental | |
|---|------|---------------------------|------|--------|--------|---------|------|-------|--------|---------|----------|--------|
| Shopping Center 30 32 32 34 34 30 32 32 34 34 30 32 32 34 34 30 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 31 32 32 34 34 34 30 32 32 34 34 34 30 32 32 34 34 34 30 32 32 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 30 32 32 34 34 34 34 34 34 | | | (| Employ | yee an | d Safet | y) | (Ener | gy, GH | G, Wat | er and \ | Naste) |
| Central Romindra | | | 2016 | 2017 | 2018 | 2019 | 2020 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Central Romindra | Shop | ping Center | 30 | 32 | 32 | 34 | 34 | 30 | 32 | 32 | 34 | 34 |
| 3 Central Pinklato | 1 | Central Ladprao | • | • | • | • | • | • | • | • | • | • |
| Central Marina | 2 | Central Ramindra | • | • | • | • | • | • | • | • | • | • |
| Central Chiangmai Airport | 3 | Central Pinklao | • | • | • | • | • | • | • | • | • | • |
| Central Rama 3 | 4 | Central Marina | • | • | • | • | • | • | • | • | • | • |
| Central Bangna | 5 | Central Chiangmai Airport | • | • | • | • | • | • | • | • | • | • |
| Secretar Secretar | 6 | Central Rama 3 | • | • | • | • | • | • | • | • | • | • |
| 9 Central World 10 Central Rattanathibet 11 Central Chaengwattana 12 Central Pattaya beach 13 Central Chonburi 14 Central Chiangrai 15 Central Rhonkaen 16 Central Chiangrai 17 Central Phitsanulok 18 Central Rama 9 19 Central Suratthani 20 Central Lampang 21 Central Chiangrai 22 Central Batya 23 Central Hotya 24 Central Sanui 25 Central Rayong 26 Central Rayong 27 Central Rayong 28 Central Phuket Floresta 29 Central WestGate 30 Central Mohachai 31 Central Mohachai 32 Central Mohachai 33 Central Mohachai 34 Central Mohachai 35 Central Mohachai 36 Central Mohachai 37 Central Mohachai 38 Central Mohachai 39 Central Mohachai 30 Central Mohachai 30 Central Mohachai 30 Central Mohachai 31 Central Mohachai 32 Central Mohachai | 7 | Central Bangna | • | • | • | • | • | • | • | • | • | • |
| 10 Central Rattanothibet | 8 | Central Rama 2 | • | • | • | • | • | • | • | • | • | • |
| 11 Central Chaengwattana | 9 | Central World | • | • | • | • | • | • | • | • | • | • |
| 12 Central Pattaya beach | 10 | Central Rattanathibet | • | • | • | • | • | • | • | • | • | • |
| 13 Central Udon | 11 | Central Chaengwattana | • | • | • | • | • | • | • | • | • | • |
| 14 Central Chonburi | 12 | Central Pattaya beach | • | • | • | • | • | • | • | • | • | • |
| 15 Central Khonkaen | 13 | Central Udon | • | • | • | • | • | • | • | • | • | • |
| 16 Central Chiangrai | 14 | Central Chonburi | • | • | • | • | • | • | • | • | • | • |
| 17 Central Phitsanulok Image: Central Rama 9 I | 15 | Central Khonkaen | • | • | • | • | • | • | • | • | • | • |
| 18 Central Rama 9 | 16 | Central Chiangrai | • | • | • | • | • | • | • | • | • | • |
| 19 Central Suratthani | 17 | Central Phitsanulok | • | • | • | • | • | • | • | • | • | • |
| Central Lampang | 18 | Central Rama 9 | • | • | • | • | • | • | • | • | • | • |
| 21 Central Ubon Image: Central Chiangmai Image: Ce | 19 | Central Suratthani | • | • | • | • | • | • | • | • | • | • |
| 22 Central Chiangmai Image: Central Chiangmai Imag | 20 | Central Lampang | • | • | • | • | • | • | • | • | • | • |
| 23 Central Hatyai ■ | 21 | Central Ubon | • | • | • | • | • | • | • | • | • | • |
| 24 Central Samui Image: Central Samui <td>22</td> <td>Central Chiangmai</td> <td>•</td> | 22 | Central Chiangmai | • | • | • | • | • | • | • | • | • | • |
| 25 Central Salaya Image: Central Rayong of the Entire Incident (Control Phuket Festival) Image: Central Phuket Festival of the Entire Incident (Control Phuket Floresta) Image: Central Phuket Floresta of the Entire Incident (Control Phuket Floresta) Image: Central Phuket Floresta of the Entire Incident (Control Phuket Floresta) Image: Central Phuket Floresta of the Entire Incident (Control Phuket Floresta) Image: Central Phuket Floresta of the Entire Incident (Control Phuket Floresta) Image: Central Phuket Floresta of the Entire Incident (Control Phuket Floresta) Image: Central Phuket Floresta Image: Central Phuket F | 23 | Central Hatyai | • | • | • | • | • | • | • | • | • | • |
| 26 Central Rayong 27 Central Phuket Festival 28 Central Phuket Floresta 29 Central WestGate 30 Central EastVille 31 Central Nakhon Si 32 Central Korat 33 Central Mahachai 34 Central Village | 24 | Central Samui | • | • | • | • | • | • | • | • | • | • |
| 27 Central Phuket Festival 28 Central Phuket Floresta 29 Central WestGate 30 Central EastVille 31 Central Nakhon Si 32 Central Korat 33 Central Mahachai 34 Central Village | 25 | Central Salaya | • | • | • | • | • | • | • | • | • | • |
| 28 Central Phuket Floresta 29 Central WestGate 30 Central EastVille 31 Central Nakhon Si 32 Central Korat 33 Central Mahachai 34 Central Village | 26 | Central Rayong | • | • | • | • | • | • | • | • | • | • |
| 29 Central WestGate 30 Central EastVille 31 Central Nakhon Si 32 Central Korat 33 Central Mahachai 34 Central Village | 27 | Central Phuket Festival | • | • | • | • | • | • | • | • | • | • |
| 30 Central EastVille 31 Central Nakhon Si 32 Central Korat 33 Central Mahachai 34 Central Village | 28 | Central Phuket Floresta | | | | • | • | | | | • | • |
| 31 Central Nakhon Si • | 29 | Central WestGate | • | • | • | • | • | • | • | • | • | • |
| 32 Central Korat • • • • • • • • • 33 Central Mahachai • • • • • • • • • • • • • • • • • • • | 30 | Central EastVille | • | • | • | • | • | • | • | • | • | • |
| 33 Central Mahachai • | 31 | Central Nakhon Si | • | • | • | • | • | • | • | • | • | • |
| 34 Central Village • • • • • | 32 | Central Korat | | • | • | • | • | | • | • | • | • |
| | 33 | Central Mahachai | | • | • | • | • | | • | • | • | • |
| | 34 | Central Village | | | | • | • | | | | • | • |
| 35 Central i-City | 35 | Central i-City | | | | | | | | | | |

(ersion 03.06.2021 by Sustainable development department

| No. | Property | | | Socia | | | | Env | vironm(| ental | |
|-------|--|------|------|-------|---------|------|------|------|---------|----------|--------|
| | | | | | d Safet | y) | | | | er and \ | Naste) |
| | | 2016 | 2017 | 2018 | 2019 | 2020 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Offic | e Properties | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 1 | Ladprao | • | • | • | • | • | • | • | • | • | • |
| 2 | Pinklao Tower A | • | • | • | • | • | • | • | • | • | • |
| 3 | Bangna | • | • | • | • | • | • | • | • | • | • |
| 4 | Central World | • | • | • | • | • | • | • | • | • | • |
| 5 | Pinklao Tower B | • | • | • | • | • | • | • | • | • | • |
| 6 | Chaengwattana | • | • | • | • | • | • | • | • | • | • |
| 7 | Rama 9 | • | • | • | • | • | • | • | • | • | • |
| 8 | The Ninth Towers Grand Rama 9 | | | | | | | | | | |
| 9 | Unilever House Grand Rama 9 | | | | | | | | | | |
| 10 | G Tower Grand Rama 9 | | | | | | | | | | |
| Hote | Properties | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 1 | Centara Hotel & Convention Centre Udon Thani | | | | | | | | | | |
| 2 | Hilton Pattaya | | | | | | | | | | |
| Resid | dential Properties | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 1 | Central City Residence | | | | | | | | | | |
| 2 | ESCENT CHIANGMAI | | | | | | | | | | |
| 3 | ESCENT KHONKAEN | | | | | | | | | | |
| 4 | ESCENT RAYONG | | | | | | | | | | |
| 5 | ESCENT VILLE CHIANGMAI | | | | | | | | | | |
| 6 | ESCENT VILLE CHIANGRAI | | | | | | | | | | |
| 7 | ESCENT NAKHONRATCHASIMA | | | | | | | | | | |
| 8 | PHYLL PHAHOL 34 | | | | | | | | | | |
| 9 | ESCENT UBONRATCHATHANI | | | | | | | | | | |
| 10 | ESCENT PARK CHIANGMAI | | | | | | | | | | |
| 11 | ESCENT RAYONG II | | | | | | | | | | |
| 12 | ESCENT KORAT | | | | | | | | | | |
| 13 | ESCENT HATYAI | | | | | | | | | | |
| 14 | Belle Grand Rama 9 | | | | | | | | | | |
| 15 | NIYAM BOROMRATCHACHONNANI | | | | | | | | | | |
| 16 | NINYA KALLAPAPRUEK | | | | | | | | | | |
| 17 | EASCENT TOWN PHITSANULOK | | | | | | | | | | |
| 18 | NIRATI CHIANGRAI | | | | | | | | | | |
| 19 | NIRATI BANGNA | | | | | | | | | | |
| | ral Pattana Head Office | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1 | Central World | • | • | • | • | • | • | • | • | • | • |
| 2 | Pinklao | • | • | • | • | • | • | • | • | • | • |
| 3 | Jewelry Trade Center | • | • | • | • | • | • | • | • | • | • |

<u>Remarks</u>

NR = Non-Relevance or not significant to Central Pattana PCL.

Financial

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------|--|-------------|----------------|----------------|----------------|----------------|----------------|
| Standards | | | | | | | |
| 201-1 | Revenue from rental & Service, Food Center, Hotel | Baht | 27,633,700,452 | 28,785,006,197 | 33,887,063,383 | 36,719,391,517 | 27,862,029,895 |
| | and Real Estate Sales | | | | | | |
| | Cost from rental & Service, Food Center, Hotel and | Baht | 14,040,598,219 | 14,518,159,734 | 17,579,005,654 | 18,086,342,013 | 15,037,054,727 |
| | Real Estate Sales | | | | | | |
| | Net profit | Baht | 9,347,027,531 | 13,669,509,295 | 11,383,353,146 | 11,738,404,950 | 9,557,096,859 |
| | Employee Wages and Benefits | Baht | 2,800,655,000 | 3,211,986,000 | 3,643,533,000 | 4,279,652,000 | 3,601,000,000 |
| | Payment to Governments | Baht | 633,460,339 | 363,859,110 | 426,332,773 | 811,468,750 | 1,864,971,756 |
| | Taxes paid to the government and local authorities | Baht | 1,686,336,102 | 1,794,526,413 | 2,056,902,384 | 2,336,357,717 | 2,148,442,833 |
| | Dividend per Share (pay in the following year) | Baht /Share | 0.83 | 1.40 | 1.10 | 1.30 | 0.80 |

Corporate Governance

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------|---|--------------------|--------------------|--------------------|--------|--------|--------|
| Standards | | | | | | | |
| 102-22, | Governance Structure | | | | | | |
| 405-1 | Executive directors | Person | 1 | 1 | 1 | 1 | 1 |
| | Independent directors | Person | 4 | 4 | 4 | 4 | 4 |
| | Other non-executive directors | Person | 7 | 6 | 6 | 6 | 7 |
| | Board Meeting Attendance | | | | | · | |
| | Average board meeting attendance | % per year | 86.46 | 89.77 | 98.86 | 90.90 | 95.87 |
| 205-2 | Communication about Code of Business Conduct with Stakehold | er | | | | | |
| | Employee | % | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| | Contractor/Supplier/Services Provider | % | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| | Subsidiaries | % | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| | Joint venture inc. stakes below 51% | % | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 205-3 | Codes of Business Conduct: Reporting on breaches | | | | | | |
| | Number of codes of conduct (Breaches) | Case | None | None | None | None | None |
| 206-1 | Number of legal actions pending or completed and in which the | organization has k | peen identifies as | a participant rega | rding | | |
| | Anti-competitive behavior | Case | None | None | None | None | None |
| | Anti-trust and monopoly legislation | Case | None | None | None | None | None |

Tenant Management and Development

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------|--|------|------|------|------|------|------|
| Standards | | | | | | | |
| 102-43 | Satisfaction Index | | | | | | |
| | Overall shopping satisfaction index | % | 82 | 83 | 82 | 80 | |
| | Shopper satisfaction index on convenience aspect | % | | 80 | 85 | 86 | |
| | Shopper satisfaction index on safety aspect | % | | 79 | 79 | 79 | |
| | Tenant satisfaction index | % | 77 | 78 | 80 | 83 | |
| | Data Coverage of tenant satisfaction index | % | 100 | 84.4 | 100 | 100 | |
| | Complaints | | | | | | |
| 416-2 | Incidents of non-compliance concerning the health | Case | 0 | 0 | 0 | 0 | 0 |
| | and safety impacts of products and service | | | | | | |
| 417-3 | Incidents of non-compliance concerning marketing | Case | 0 | 0 | 0 | 0 | 0 |
| | communications | | | | | | |
| 418-1 | Number of substantiated complaints received | Case | 0 | 0 | 0 | 0 | 0 |
| | concerning breaches of customer privacy | | | | | | |
| | Total number of identified leaks, thefts, or losses of | Case | 0 | 0 | 0 | 0 | 0 |
| | customer data | | | | | | |
| 419-1 | Non-compliance with laws and regulations in the | Case | 0 | 0 | 0 | 0 | 0 |
| | social and economic area | | | | | | |

<u>Note</u>

• With the ongoing pandemic, there were external factors that could affect customer satisfaction. For this reason, "Shopper and Tenant Satisfaction" was removed from our 2020 performance indicators.

Employee Management and Engagement

| GRI | Data | Unit | 20 | 16 | 20 | 17 | 20 | 18 | 20 |)19 | 20 | 20 |
|-----------|--|----------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| Standard | | | Male | Female |
| Workforce | | | | | | | | | | | | |
| 102-8 | Workforce | | | | | | | | | | | |
| | Total workforce | Person | 4,3 | 13 | 4,6 | 66 | 11,7 | 717 | 11,1 | 144 | 8,7 | 78 |
| | Employee | Person | 4,3 | 13 | 4,6 | 66 | 4,9 | 911 | 5,0 | 93 | 4,8 | 63 |
| | | 1 613011 | 2,185 | 2,128 | 2,344 | 2,322 | 2,464 | 2,447 | 2,562 | 2,531 | 2,459 | 2,404 |
| | Sub-contractor | Person | | | | | 6,8 | 806 | 6,0 | D51 | 3,9 |)15 |
| | Employee by employee status | | | | | | | | | | | |
| | Permanent | Person | 2,182 | 2,119 | 2,341 | 2,314 | 2,461 | 2,441 | 2,558 | 2,524 | 2,455 | 2,369 |
| | Contract | Person | 3 | 9 | 3 | 8 | 3 | 6 | 4 | 7 | 4 | 35 |
| 405-1 | Employee by level (include new employee) | | | | | | | | | | | |
| | Top management | Person | 9 | 4 | 11 | 3 | 15 | 3 | 15 | 4 | 13 | 6 |
| | Middle management | Person | 247 | 265 | 254 | 291 | 271 | 310 | 296 | 349 | 303 | 347 |
| | Junior management | Person | 366 | 437 | 377 | 457 | 401 | 468 | 435 | 517 | 428 | 507 |
| | Non-management | Person | 1,563 | 1,422 | 1,702 | 1,571 | 1,777 | 1,666 | 1,816 | 1,661 | 1,715 | 1,544 |
| | Employee by age (include new employee) | | | | | | | | | | | |
| | Less than 30 years old | Person | 1,058 | 775 | 1,096 | 806 | 1,093 | 806 | 585 | 782 | 442 | 631 |
| | Between 30-50 years old | Person | 595 | 642 | 614 | 677 | 639 | 699 | 1,791 | 1,628 | 1,816 | 1,634 |
| | More than 50 years old | Person | 532 | 711 | 634 | 839 | 732 | 942 | 186 | 121 | 201 | 139 |
| | Employee by work area (include new employee) | | | | | | | | | | | |
| | Bangkok Metropolitan Region | Person | 1,332 | 1,477 | 1,442 | 1,596 | 1,492 | 1,661 | 1,571 | 1,739 | 1,520 | 1,669 |
| | Central | Person | | | | | | | | | | |
| | Northeast | Person | 190 | 121 | 222 | 158 | 228 | 162 | 230 | 162 | 217 | 148 |
| | South | Person | 235 | 182 | 236 | 206 | 289 | 267 | 292 | 267 | 277 | 239 |
| | North | Person | 227 | 174 | 231 | 181 | 235 | 174 | 237 | 180 | 231 | 176 |
| | East | Person | 201 | 174 | 213 | 181 | 220 | 183 | 232 | 183 | 214 | 172 |
| | West | Person | | | | | | | | | | |
| | Employee by cultural background (exclude new employee) | | | | | | | | | | | |
| | Bangkok Metropolitan Region | Person | 1,013 | 1,079 | 1,062 | 1,129 | 1,102 | 1,194 | 952 | 1,063 | 1032 | 1215 |

| GRI | Data | Unit | 20 | 16 | 20 | 17 | 20 | 18 | 20 | 19 | 20 | 20 |
|----------|---|---------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| Standard | | | Male | Female |
| | Central | Person | 51 | 26 | 51 | 31 | 45 | 24 | 159 | 136 | 157 | 132 |
| | Northeast | Person | 176 | 110 | 176 | 103 | 196 | 135 | 405 | 313 | 406 | 291 |
| | South | Person | 155 | 103 | 207 | 138 | 201 | 146 | 297 | 243 | 302 | 267 |
| | North | Person | 213 | 150 | 208 | 160 | 215 | 160 | 242 | 186 | 268 | 192 |
| | East | Person | 155 | 123 | 170 | 122 | 185 | 150 | 149 | 150 | 165 | 156 |
| | West | Person | 13 | 9 | 4 | 6 | 33 | 17 | 40 | 30 | 37 | 30 |
| | Employee by nationality | | | | | | | | | | | |
| | Thai | Person | | | | | | | | | 4,8 | 56 |
| | Australia | Person | | | | | | | | | 1 | |
| | Canada | Person | | | | | | | | | 1 | |
| | Iceland | Person | | | | | | | | | 1 | |
| | India | Person | | | | | | | | | 1 | |
| | Singapore | Person | | | | | | | | | 2 | 2 |
| | Taiwan | Person | | | | | | | | | 1 | |
| | Employee by function group | | | | | | | | | | | |
| | Science, Technology, Engineering and Mathematics (STEM) | Person | | | | | | | | | 805 | 296 |
| | function | | | | | | | | | | | |
| | Revenue generating functions | Person | 1,930 | 1,540 | 2,052 | 1,701 | 2,168 | 1,791 | 2,269 | 1,955 | 2,174 | 1,875 |
| Equality | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 405-2 | Ratio of basic salary of male and female employees | | | | | | | | | | | |
| | Middle and Junior management | Female: | 1.00 | 0.96 | 1.00 | 1.03 | 1.00 | 0.99 | 1.00 | 0.99 | 1.00 | 0.99 |
| | | Male | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 |
| | Non-management | Female: | 1.00 | 1.05 | 1.00 | 1.04 | 1.00 | 1.03 | 1.00 | 1.01 | 1.00 | 1.00 |
| | | Male | | | | | | | | | | |
| | Gender pay gap (hourly rate) | T | | | | | | | | | | |
| | Mean gender pay gap | % | | | | | | | | | 7.2 | |
| | Median gender pay gap | % | | | | | | | | | 7.3 | |
| | Mean bonus gap | % | | | | | | | | | 13. | |
| | Median bonus gap | % | | | | | | | | | 4.0 | ы |

| GRI | Data | Unit | 20 | 16 | 20 |)17 | 20 | 18 | 20 | 19 | 20 | 20 |
|------------|----------------------------------|------------|-------|--------|------------|--------|-------|--------|-------|------------|------|--------|
| Standard | | | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Employment | | | | | | | | | | | | |
| | Newsparless | | | | | | | | | | | |
| | New employee | | 93 | 7 | 1.0 | 00 | 1,10 | 00 | 72 | \ <u>\</u> | 21 | |
| | Total new employee | Person | 409 | 528 | 1,0 466 | 633 | 487 | 621 | 318 | 410 | 92 | 121 |
| | New employee by age | | | 323 | | | | | 5.5 | | | |
| | Less than 30 years old | Person | 224 | 335 | 266 | 413 | 302 | 413 | 180 | 238 | 35 | 73 |
| | Between 30-50 years old | Person | 177 | 189 | 190 | 217 | 175 | 205 | 132 | 172 | 57 | 45 |
| | More than 50 years old | Person | 8 | 4 | 10 | 3 | 10 | 3 | 6 | 0 | 0 | 3 |
| | New employee by level | | | | | | | | | | | |
| | Top management | Person | | | | | | | | | C |) |
| | Middle management | Person | | | | | | | | | 4 | 1 |
| | Junior management | Person | | | | | | | | | Ę | 5 |
| | Non-management | Person | | | | | | | | | 20 |)4 |
| | New employee by nationality | | | | | | | | | | | |
| | Thai | Person | | | | | | | | | 9 | 5 |
| | Others | Person | | | | | | | | | - | |
| | New employee by work area | | | | | | | | | | | |
| | Bangkok Metropolitan Region | Person | 255 | 363 | 325 | 430 | 312 | 426 | 226 | 291 | 80 | 102 |
| | Central | Person | | | | | | | | | | |
| | Northeast | Person | 14 | 11 | 46 | 55 | 32 | 27 | 21 | 15 | 3 | 0 |
| | South | Person | 80 | 79 | 29 | 68 | 88 | 121 | 30 | 52 | 2 | 2 |
| | North | Person | 14 | 24 | 23 | 21 | 20 | 14 | 14 | 19 | 3 | 7 |
| | East | Person | 46 | 51 | 43 | 59 | 35 | 33 | 27 | 33 | 4 | 10 |
| | West | Person | | | | | | | | | | |
| | New employee hired | | | | | | | | | | | |
| | Ratio of new employee hired | % of total | 21. | 73 | 23 | 3.5 | 22. | .56 | 14. | 29 | 4.3 | 38 |
| | | employee | 18.72 | 24.81 | 19.88 | 27.26 | 19.76 | 25.38 | 12.41 | 16.20 | 3.74 | 5.03 |
| | Hiring cost /FTE | Baht | | | | | | | 1,39 | 5.82 | 2,8 | 99 |
| | Internal mobility | | | | | | | | | | | |
| | Employee transferred to homeland | Person | 2 | 8 | 7 | 6 | 1: | 9 | 1 | 1 | 16 | 3 |

| GRI | Data | Unit | 20 | 16 | 20 |)17 | 20 | 18 | 20 | 19 | 20 | 20 |
|--------------|--|--------|------|--------|-------|--------|-------|--------|-------|--------|------|--------|
| Standard | | | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Employee Eng | gagement & Retention | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Employee Engagement | | | | | | | | , | | | |
| | Employee Engagement by gender | % | 73. | 00 | 77 | .00 | 73. | 00 | 73. | 00 | 83. | 00 |
| | | /6 | /5. | 00 | , , , | .00 | 80.00 | 66.00 | 79.00 | 67.00 | | |
| | Employee Engagement by level | | | | | | | | | | | |
| | Executive level | % | | 74.00 | | 64.00 | | 60.00 | | 65.00 | | 77.00 |
| | (President, Senior Executive Vice President, Executive Vice President) | 76 | | 74.00 | | 04.00 | | 00.00 | | 03.00 | | 77.00 |
| | Management level | % | | 68.00 | | 63.00 | | 57.00 | | 62.00 | | 75.00 |
| | (Senior Vice President, Vice President, Vice President) | 76 | | 00.00 | | 03.00 | | 37.00 | | 02.00 | | 75.00 |
| | Manager level (Assistant Manager, Manager, Senior Manager) | % | | 63.00 | | 60.00 | | 57.00 | | 57.00 | | 72.00 |
| | Team Leader level (Senior Officer and Supervisor) | % | | 72.00 | | 75.00 | | 71.00 | | 71.00 | | 84.00 |
| | Operation level (Staff) | % | | 76.00 | | 79.00 | | 80.00 | | 80.00 | | 87.00 |
| | Employee Engagement by work allocation | | | | | | | | | | | |
| | Head office | % | | 60.00 | | 49.00 | | 45.00 | | 51.00 | | 66.00 |
| | Branch | % | | 77.00 | | 83.00 | | 82.00 | | 80.00 | | 90.00 |
| 401-3 | Initiated turnover by age (include resignation or due to | D | 7.0 | \7 | 7 | 4.4 | 0.0 | 20 | 0/ |) [| Г. | 10 |
| | dismissal, retirement, or death in service) | Person | 70 |) / | / 4 | 44 | 86 | 60 | 80 |)5 | 53 | 38 |
| | Less than 30 years old | Person | 168 | 245 | 158 | 271 | 189 | 297 | 154 | 265 | 87 | 152 |
| | Between 30-50 years old | Person | 128 | 150 | 132 | 161 | 163 | 189 | 151 | 208 | 130 | 145 |
| | More than 50 years old | Person | 10 | 6 | 17 | 5 | 15 | 7 | 15 | 12 | 17 | 7 |
| | Initiated turnover by work allocation (include resignation or | | 000 | 401 | 007 | 407 | 0.07 | 400 | 000 | 405 | 004 | 004 |
| | due to dismissal, retirement, or death in service) | Person | 306 | 401 | 307 | 437 | 367 | 493 | 320 | 485 | 234 | 304 |
| | Head office | Person | 44 | 115 | 67 | 139 | 59 | 135 | 65 | 126 | 57 | 77 |
| | Branch | Person | 262 | 286 | 240 | 298 | 308 | 358 | 255 | 359 | 177 | 227 |
| | Voluntary turnover by age (resignation) | Person | 59 | 98 | 6 | 511 | 72 | 25 | 79 | 90 | 42 | 26 |
| | Less than 30 years old | Person | 137 | 200 | 120 | 219 | 146 | 245 | 154 | 265 | 65 | 119 |
| | Between 30-50 years old | Person | 108 | 137 | 118 | 137 | 144 | 169 | 148 | 208 | 108 | 129 |
| | More than 50 years old | Person | 10 | 6 | 14 | 3 | 14 | 7 | 9 | 6 | 4 | 1 |
| | Voluntary turnover by work allocation (resignation) | Person | 59 | 98 | 6 | 511 | 72 | 25 | 79 | 90 | 42 | 26 |
| | Head office | Person | 37 | 109 | 59 | 130 | 58 | 128 | 64 | 125 | 48 | 72 |
| | Branch | Person | 218 | 234 | 193 | 229 | 246 | 293 | 247 | 354 | 129 | 177 |
| | <u> </u> | 1 | | | 1 | | 1 | 1 | | | | |

| GRI | Data | Unit | 20 | 16 | 20 | 17 | 20 | 18 | 20 | 19 | 20 | 20 |
|----------|---|---------------------|-------|--------|-------|--------|-------|--------|-------|--------|------|--------|
| Standard | | | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| | Voluntary turnover by tenure group (resignation) | Person | 59 | 98 | 6 | 11 | 72 | 25 | 79 | 90 | 42 | 26 |
| | Less than 4 months | Person | 72 | 131 | 88 | 135 | 102 | 158 | 81 | 122 | 57 | 80 |
| | 4 months - 1 year | Person | 60 | 61 | 37 | 53 | 34 | 63 | 53 | 84 | 0 | 0 |
| | 1-3 years | Person | 60 | 65 | 66 | 100 | 74 | 105 | 94 | 147 | 60 | 90 |
| | 3-5 year | Person | 48 | 69 | 42 | 55 | 67 | 76 | 37 | 61 | 28 | 39 |
| | 5-10 year | Person | | | | | | | 32 | 41 | 22 | 34 |
| | More than 10 year | Person | 15 | 17 | 19 | 16 | 27 | 19 | 14 | 24 | 10 | 6 |
| | Turnover rate by nationality | | | | | | | | | | | |
| | Thai | Person | | | | | | | | | 24 | 16 |
| | Others | Person | | | | | | | | | 29 | 94 |
| | Turnover rate by level | | | | | | | | | | | |
| | Top management | Person | | | | | | | | | 1 | |
| | Middle management | Person | | | | | | | | | 13 | 3 |
| | Junior management | Person | | | | | | | | | 5 | 8 |
| | Non-management | Person | | | | | | | | | 35 | 54 |
| | Lay-off | Person | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Head office | Person | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Branch | Person | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Turnover rate | | | | | | | | | | | |
| | Voluntary turnover | % of total employee | 15. | 57 | 13. | 09 | 14. | 76 | 15 | .51 | 8.7 | 76 |
| | Regrettable loss Rate | % of total employee | 6.3 | 30 | 4.9 | 90 | 6.0 | 60 | 8. | 10 | 0.9 | 95 |
| | Parental leave | | | | | | | | | | | |
| | Number of employees having the right of maternity/parental leave | Person | 2,185 | 2,128 | 2,344 | 2,322 | 2,464 | 2,447 | 2,562 | 2,531 | 2460 | 2404 |
| | Number of employees using the right of maternity/parental leave | Person | 0 | 61 | 0 | 67 | 0 | 81 | 0 | 103 | 0 | 76 |
| | Number of employees returning to work after of maternity/parental leave | Person | 0 | 59 | 0 | 66 | 0 | 73 | 0 | 92 | 0 | 71 |
| | Percentage of employees returning to work and remaining at work after of maternity/parental leave | % | N/A | 96.72 | N/A | 98.51 | N/A | 90.12 | N/A | 89.32 | N/A | 93.42 |

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 |
|--------------|--|--------|-------------|-------------|-------------|-------------|-------------|
| Standard | | | Male Female |
| Employee De | velopment | | | | | | |
| | | | | | | | |
| | Training Course | Course | 73 | 378 | 477 | 540 | 310 |
| | Training Cost / FTE | Baht | | | | | 1,388 |
| | Number of employees training in various course | Person | | | 5,010 | 5,086 | 4,838 |
| | | | | | | | 2,374 2,464 |
| | Number of employees training by age | | | | | | |
| | <30 year | Person | | | | | 429 |
| | 30-50 year | Person | | | | | 4,190 |
| | >50 year | Person | | | | | 219 |
| | Number of employees training by level | | | | | | |
| | Top management | Person | | | | | 12 |
| | Middle management | Person | | | | | 668 |
| | Junior management | Person | | | | | 951 |
| | Non-management | Person | | | | | 3,207 |
| | Percentage of employees training in various course | % | | | 94.00 | 97.48 | 96.81 |
| | Training hour | Hour | 21.00 | 25.41 | 26.70 | 24.00 | 11.00 |
| | Employee satisfaction from training | % | 85.89 | 92.00 | 91.90 | 91.70 | 92.07 |
| | Employee promotion rate | % | 45.00 55.00 | 54.00 46.00 | 41.00 59.00 | 44.63 55.37 | 0.00 0.00 |
| Employee cor | nplains | | | | | | |
| | | | | | | | |
| | Number of employees' complaints in relation to labor | case | 0 | О | 0 | 0 | О |
| | practices | Case | | | | | |
| | Number of resolved complaints | case | 0 | 0 | 0 | 0 | 0 |
| _ | Number of pending complaints | case | 0 | 0 | 0 | 0 | 0 |
| Promoting em | ployment among various types of people | | | | | | |
| | Disabled person | | | | | | |
| | Employment of disabled | Person | | | | | 1 |
| | Area for people with disabilities to sell product | Person | | 45 | 46 | 46 | 48 |

| | GRI | Data | Unit | 20 | 16 | 20 |)17 | 2018 | | 2019 | | 20 | 20 | | |
|---|----------|---|-----------------|------|------------------------|----|-------------|------|-------|--------|------|--------|----|--|--|
| | Standard | | | Male | ile Female Male Female | | Male Female | | Male | Female | Male | Female | | | |
| | | Area for people with disabilities to sell product | Shopping center | | | 20 | | 21 | | 21 | | | 21 | | |
| ſ | | Student | | | | | | | | | | | | | |
| | | Work Integrated Learning program | Person | 1 | 5 14 | | 14 | | 14 14 | | 1 | 4 | | | |

Definition

Central Pattana's employees are workers under employment contracts with CENTRAL PATTANA PUBLIC COMPANY LIMITED; they are classified into four groups, as Top Management, Middle Management, Junior Management and Non-Management

- Top Management includes those from the level of President, Senior Executive Vice President (SEVP) and Executive Vice President (EVP)
- Middle Management includes those from the level of Senior Vice President (SVP), Vice President (VP), Vice President (AVP), Senior Manager and Manager
- Junior Management includes those from the level of Assistant Manager and Supervisor
- Non-Management includes those from the level of Senior Officer, Officer and Consultant

The above employees are also classified in accordance with the employment contracts, i.e., permanent and contract employees.

<u>Note</u>

• In 2020, Cancel the employee engagement question by gender.

Occupational Health and Safety

| GRI | Data | Unit | 20 | 16 | 2017 | | 2018 | | 2019 | | 2020 | |
|--------------------------------|---|----------------|--------|--------|------|-----------|------|----------|------|----------|------|---------|
| Standard | | | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Occupational Health and Safety | | | | | | | | | | | | |
| | | , | | | | | | | | | | |
| | Ratio of employee represent in OHS Committee per total | Person | | | | 8.06 | | 7.55 | | 6.69 | | 7.17 |
| | employee (Exclude contract employee) | | | | | | | | | | | |
| 403-9 | Injury of employee | 1 | | | | | | | T | | | |
| (2018) | Number of Fatalities as a result of work-related injury | Person | | | | 0 | | 0 | | 2 | | 0 |
| Employee | Number of recordable work-related injuries | Person | | | | 6 | | 7 | | 15 | | 7 |
| | Number of high-consequence work-related injuries | Person | | | | 5 | | 5 | | 13 | | 6 |
| | Man hour | Hour | | | 10 |),313,576 | 10 | ,935,644 | 11 | ,399,797 | 10, | 903,670 |
| | Rate of Fatalities | | | | | | | | | | | |
| | Rate of fatalities as a result of work-related injury | Person | | | | 0 | | 0 | 0 | 04 | (| 0 |
| | per 200,000 hours worked | reison | | | | 0 | | 0 | U. | 04 | , | J |
| | Rate of fatalities as a result of work-related injury | Person | | | | 0 | | 0 | 0 | .18 | (| 0 |
| | per 1,000,000 hours worked | | | | | | | | | | ` | , |
| | Rate of recordable work-related injuries or Lost-time injuries free | quency rate (l | LTIFR) | | | | | | | | | |
| | Lost-time injuries frequency rate per 200,000 hours worked | Person | | | 0 | .12 | 0 |).13 | 0. | 26 | 0. | .13 |
| | Lost-time injuries frequency rate per 1,000,000 hours worked | Person | | | 0. | .58 | 0 | .64 | 1. | 32 | 0. | 64 |
| | Rate of high-consequence work-related injuries (excluding fatalities) or Days away/restricted or transfer rate (DART) | | | | | | | | | | | |
| | DART per 200,000 hours worked | Person | | | 0 | .10 | 0 | .07 | 0. | 23 | 0 | .11 |
| | DART per 1,000,000 hours worked | Person | | | 0. | .48 | 0 | .37 | 1. | 14 | 0. | 55 |
| | Lost workday rate (LWD) | | | | | | | | | | | |
| | Lost workday rate per 200,000 hours worked | Lost Day | | | 0 | .74 | 1. | 23 | 3. | 82 | 2. | 02 |
| | Lost workday rate per 1,000,000 hours worked | Lost Day | | | 3. | 68 | 6 | 5.13 | 19 | .12 | 10. | .09 |
| | Absentee Rate (AR) | % | | 2.16 | 1. | 08 | 1. | .36 | 1. | 10 | 0. | 58 |
| 403-9 | Injury of contractor | | | | | | | | | | | |
| (2018) | Number of Fatalities as a result of work-related injury | Person | | | | | | | | | (| 0 |
| Contractor | Number of recordable work-related injuries | Person | | | | | | | | | | 1 |
| | Number of high-consequence work-related injuries | Person | | | | | | | | | | 1 |

| GRI | Data | Unit | 20 | 16 | 20 |)17 | 20 | 018 | 20 | 19 | 20 | 20 |
|----------|---|----------------|----------|-------------|------------|----------|------|--------|------|--------|-------|---------|
| Standard | | | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| | Man hour | Hour | | | | | | | | | 4,107 | 7,982 |
| | Rate of Fatalities | | | | | | | | | | | |
| | Rate of fatalities as a result of work-related injury | Person | | | | | | | | | (|) |
| | per 200,000 hours worked | 1 613011 | | | | | | | | | | <i></i> |
| | Rate of fatalities as a result of work-related injury | Person | | | | | | | | | (|) |
| | per 1,000,000 hours worked | | | | | | | | | | | |
| | Rate of recordable work-related injuries or Lost-time injuries freq | uency rate (l | TIFR) | | | | | | | | | |
| | Lost-time injuries frequency rate per 200,000 hours worked | Person | | | | | | | | | 0. | 05 |
| | Lost-time injuries frequency rate per 1,000,000 hours worked | Person | | | | | | | | | 0. | 24 |
| | Rate of high-consequence work-related injuries (excluding fatal | ities) or Days | away/re: | stricted or | transfer r | ate (DAR | Γ) | | | | | |
| | DART per 200,000 hours worked | Person | | | | | | | | | 0. | 05 |
| | DART per 1,000,000 hours worked | Person | | | | | | | | | 0. | 24 |
| | Lost workday rate (LWD) | • | | | | | | | | | | |
| | Lost workday rate per 200,000 hours worked | Lost Day | | | | | | | | | 0. | .15 |
| | Lost workday rate per 1,000,000 hours worked | Lost Day | | | | | | | | | 0. | 73 |
| | Absentee Rate (AR) | % | | | | | | | | | | |

Definition and calculation guidelines

Calculation of Working Hours

Calculate working hour by dividing employees into 2 groups: office workers (working 5 days a week) and shifts workers (working 6 days a week), each employee having different working hours according to position and responsibility. By using the following formula:

Working hours (hour) = Number of worker x scheduled workday x working hour

Safety Data Recording

Central Pattana records safety data from work by calculating and collecting occupational and health information as follows:

- Day means scheduled workday.
- Recordable work-related injury is that results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness; or significant injury or ill health diagnosed by a physician or other licensed healthcare professional, even if it does not result in death, days away from work, restricted work or job transfer, medical treatment beyond first aid, or loss of consciousness.
- DART (Day Away/Restricted or Transfer) number of recordable injuries per 100 full-time employee that resulted in days away from work, restricted work activity, and/or job transfer.
- Work-related Fatalities are accident due to work or the activities of the company that cause injury or sickness until death.

Calculation of OHS

Rate of fatalities as a result of work-related injury

 $= \frac{number\ of\ fatalities\ as\ a\ result\ of\ work-related\ injury\times[200,000\ or\ 1,000,000]}{number\ of\ hour\ worked}$

Rate of recordable work-related injuries or Lost-time injuries frequency rate: LTIFR

 $= \frac{number\ of\ recordable\ work - related\ injuries\ \times [200,000\ or\ 1,000,000]}{number\ of\ hour\ worked}$

Rate of high-consequence work-related injuries (excluding fatalities) or Days away/restricted or transfer rate (DART)

 $= \frac{number\ of\ high-consequence\ work-related\ injuries\ that\ resulted\ in\ days\ away\ from\ work,\ restricted\ work\ activity, and/or\ job\ transfer\ \times [200,000\ or\ 1,000,000]}{number\ of\ hour\ worked}$

Lost Workday Rate: LWR

 $= \frac{Total\ Number\ of\ Lost\ Days \times [200,000\ or\ 1,000,000]}{number\ of\ hour\ worked}$

Note information refer to the report of accident, illness or injury and request for compensation. According to the Workmen's Compensation Act, BE 2537 (Form 16: Occupational Injury Notification from employer and injured employee and Claim form)

Absentee Rate: AR

 $= \frac{Number\ of\ lost\ day\ injuries\ and\ other\ occupational\ diseases\ that\ are\ not\ excused\ x\ 100}{Total\ number\ of\ operating\ day\ in\ a\ year}$

Note

- Information refers to the record of Human Resource Information System based on the number of sick days leave and sick day leave without pay.
- Information of contractor reported only contractor at construction and reconstruction sites.
- Work-related injuries recorded in 2020 were primarily due to carelessness and included personal injuries sustained by employees while trying to mitigate an impending accident. One site accident reported by our contractor was also caused by carelessness.

Corporate Responsibility and Community Development

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 | | | | | |
|----------|--|----------|----------------|----------------|----------------|----------------|------------|--|--|--|--|--|
| Standard | | | | | | | | | | | | |
| 403-8 | Ratio Contribution by type | | | | | | | | | | | |
| | Charitable donations | % | 1.39 | 45.13 | 8.43 | 8.98 | 17.66 | | | | | |
| | Community Investment | % | 16.50 | 6.96 | 66.00 | 60.32 | 27.82 | | | | | |
| | Commercial initiative | % | 82.11 | 47.91 | 25.57 | 30.70 | 54.52 | | | | | |
| | Contribution by type | | | | | | | | | | | |
| | Charitable donations | Baht | 1,000,000.00 | 32,400,000.00 | 28,500,000.00 | 15,800,000.00 | 17,400,000 | | | | | |
| | Community Investment | Baht | 11,900,000.00 | 5,000,000.00 | 233,400,000.00 | 106,100,000.00 | 27,400,000 | | | | | |
| | Commercial initiative | Baht | 299,200,000.00 | 177,400,000.00 | 167,600,000.00 | 54,000,000.00 | 53,700,000 | | | | | |
| | Time Contribution | | | | | | | | | | | |
| | Volunteer hour | hour | 318 | 4,500 | 8,508 | 18,040 | 10,037 | | | | | |
| | Volunteering activity | activity | 53 | 54 | 51 | 134 | 84 | | | | | |
| | Employees participate in volunteering activity | person | 318 | 1,774 | 2,115 | 3,927 | 2,526 | | | | | |

Environmental Resource Management

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 | | | | | |
|------------|---|-----------|--|--------------|--------------|--------------|--------------|--|--|--|--|--|
| Standards | | | | | | | | | | | | |
| Energy Cor | nsumption | | | | | | | | | | | |
| 302-1(a) | Non-renewable fuel | GJ | 24,997.24 | 15,207.78 | 18,955.03 | 19,695.57 | 14,185.56 | | | | | |
| | Diesel | GJ | 6,918.13 | 6,087.91 | 8,032.85 | 8,259.75 | 6,382.03 | | | | | |
| | Benzene | GJ | 17,467.81 | 7,740.91 | 9,552.61 | 10,389.28 | 7,332.17 | | | | | |
| | LPG | GJ | 611.31 | 1,349.04 | 1,327.46 | 995.14 | 436.29 | | | | | |
| | Oil | GJ | | 29.92 | 42.11 | 51.40 | 35.07 | | | | | |
| 302-1(b) | Renewable energy | | | | <u></u> | | | | | | | |
| | Solar energy | GJ | 460.80 | 3,236.40 | 22,231.17 | 32,562.92 | 45,239.31 | | | | | |
| | | MWh | 128.00 | 899.00 | 6,175.33 | 9,045.25 | 12,566.48 | | | | | |
| 302-1(c) | Electricity purchased from outside | | | | | | | | | | | |
| | Electricity purchased from grid (Metropolitan Electricity | GJ | 3,321,118.80 | 3,252,508.95 | 3,401,379.74 | 3,499,749.63 | 2,856,352.72 | | | | | |
| | Authority and Provincial Electricity Authority) | MWh | 922,533.00 | 903,474.71 | 944,827.71 | 972,152.68 | 793,431.31 | | | | | |
| 302-1(d) | Electricity sold to tenant | | | | | | | | | | | |
| | Electricity sold to tenants | GJ | 1,746,802.80 | 1,706,791.91 | 1,806,557.22 | 1,779,754.91 | 1,494,051.29 | | | | | |
| | | MWh | 485,223.00 | 474,108.86 | 501,821.45 | 494,376.36 | 415,014.25 | | | | | |
| 302-l(e) | Total energy consumption within organization | | | | | | | | | | | |
| | Total non-renewable energy consumption within organization (Fuel+Electricity) | GJ | 1,599,313.24 | 1,560,924.82 | 1,613,777.55 | 1,739,690.27 | 1,376,486.99 | | | | | |
| | | MWh | 444,253.68 | 433,590.23 | 448,271.54 | 483,247.31 | 382,357.50 | | | | | |
| | Total Energy consumption | GJ | 1,599,774.04 | 1,564,161.22 | 1,636,008.72 | 1,772,253.18 | 1,421,726.30 | | | | | |
| | (Renewable + Non-Renewable) | MWh | 444,381.68 | 434,489.23 | 454,446.87 | 492,292.56 | 394,923.97 | | | | | |
| | Ratio of energy consumption within organization | | <u>. </u> | | | | | | | | | |
| | Ratio of renewable energy per total energy | % | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | | | | | |
| 302-3 | Total energy intensity (renewable + non-renewable energy) per unit area | kWh/sq.m. | 166.65 | 153.50 | 152.10 | 162.69 | 130.34 | | | | | |
| | Total electricity intensity per unit area | kWh/sq.m. | 164.05 | 152.00 | 150.34 | 160.88 | 129.04 | | | | | |

Definition and calculation guidelines

Energy

Total Energy consumption is including energy from fuel combustion, electricity and renewable energy

- Total fuel consumption = the sum of all types of fuel resource consumption x its heating vaule (in each) Unit in GJ
- Conversion Factor are referred from to the Annual Thailand Energy Report, Department od Alternative Energy Development and Efficiency
- Electricity consumption = The sum of electricity used (in kWh) x 3.6 (Unit: GJ)
- Total Energy consumption within organization = Fuel consumption from nOn-renewable + renewable energy + Electricity purchased Electricity sold to tenants

Intensity

• Emission intensity calculate per gross leasable area (GLA). The GLA is including leasable area and common areas.

Base Year

• The base year for calculation on environmental aspect is FY2015.

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------------|--|----------------|---------------|--------------|---------------|---------------|--------------|
| Standards | | | | | | | |
| Water Con | sumption | | | | | | |
| 303-3 (2018) | Water withdrawal from all areas (TDS ≤ 1,000 mg/L) | m ³ | 10,144,326.00 | 9,955,206.00 | 10,540,083.00 | 10,906,424.10 | 7,966,321.88 |
| (===, | Municipal water | m ³ | 10.144.000.00 | 0.055.000.00 | 10,328,177.00 | 10,628,213.00 | 7,753,702.99 |
| | Ground water | m^3 | 10,144,326.00 | 9,955,206.00 | 211,906.00 | 278,211.10 | 206,070.22 |
| | Rainwater | m^3 | - | - | - | - | 6,548.67 |
| | Water withdrawal from all areas (TDS > 1,000 mg/L) | m ³ | - | - | - | - | - |
| | Water withdrawal from all areas with water stress (TDS ≤ 1,000 mg/L) | m ³ | 7,854,819.00 | 7,512,004.00 | 8,062,458.00 | 8,212,658.00 | 6,064,675.71 |
| | Municipal water | m^3 | 7,854,819.00 | 7,512,004.00 | 7,887,875.00 | 8,011,966.00 | 5,858,605.49 |
| | Ground water | m ³ | 7,634,619.00 | 7,512,004.00 | 174,583.00 | 200,692.00 | 206,070.22 |
| | Rainwater | m ³ | - | - | - | - | - |
| | Water withdrawal from all areas with water stress (TDS > 1,000 mg/L) | m^3 | - | - | - | - | - |
| 303-4 (2018) | Water discharge by destination to all areas (TDS ≤ 1,000 mg/L) | m ³ | 7,608,244.50 | 7,466,404.50 | 7,966,804.35 | 7,835,359.00 | 5,491,670.05 |
| | Surface water | m ³ | 7,608,244.50 | 7,466,404.50 | 7,966,804.35 | 7,835,359.00 | 5,491,670.05 |
| | Seawater | m^3 | - | - | - | - | - |
| | Groundwater | m^3 | - | - | - | - | - |
| | Water discharge by destination to all areas (TDS > 1,000 mg/L) | m^3 | - | - | - | - | - |
| | Water discharge by destination to all areas with water stress (TDS ≤ 1,000 mg/L) | m ³ | 5,891,114.25 | 5,599,803.38 | 5,929,577.69 | 5,704,904.80 | 3,998,294.81 |
| | Surface water | m^3 | 5,891,114.25 | 5,599,803.38 | 5,929,577.69 | 5,704,904.80 | 3,998,294.81 |
| | Seawater | m ³ | - | - | - | - | - |
| | Groundwater | m^3 | - | - | - | - | - |
| | Water discharge by destination to all areas with water stress (TDS > 1,000 mg/L) | m^3 | - | - | - | - | - |
| | Water discharge level of treatment | m³ | 7,608,244.50 | 7,466,404.50 | 7,966,804.35 | 7,835,359.00 | 5,491,670.05 |
| | No Treatment | m^3 | | | | | 1,754.00 |
| | Primary Treatment | m^3 | 7,608,244.50 | 7,466,404.50 | 1,902,117.00 | 1,924,595.70 | 1,332,767.20 |
| | Secondary Treatment | m ³ | 7,000,244.30 | 7,400,404.30 | 6,064,687.35 | 5,910,763.30 | 4,157,148.85 |

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 | | | | |
|-----------|--|----------------|--------------|--------------|--------------|--------------|--------------|--|--|--|--|
| Standards | | | | | | | | | | | |
| 303-5 | Total Water Consumption from all areas | m ³ | 2,536,081.50 | 2,488,801.50 | 2,573,278.65 | 3,071,065.09 | 2,474,651.84 | | | | |
| (2018) | Total Water Consumption from all areas with water stress | m ³ | 1,963,704.75 | 1,912,200.63 | 2,132,880.31 | 2,507,753.20 | 2,066,380.90 | | | | |
| | Total water intensity | | | | | | | | | | |
| | Total water consumption intensity per unit area | m^3/m^2 | 0.95 | 0.88 | 0.86 | 1.01 | 0.82 | | | | |
| | Total recycled water | | | | | | | | | | |
| | Total recycled water | m ³ | 205,157.00 | 233,417.00 | 310,052.99 | 520,299.85 | 446,662.76 | | | | |
| | Percentage recycled water per total water withdrawal | % | 2.02 | 2.34 | 2.94 | 4.77 | 5.61 | | | | |

Definition and calculation guidelines

Water management involves water from external sources, water treatment, discharge water and recycled water. Evaluation of water utilization efficiency and risks from difference water sources is in place Water withdrawal sum of all water drawn from surface water, groundwater, seawater, or a third party for any use over the course of the reporting period

Water consumption sum of all water that has been withdrawn and incorporated into products, used in the shopping center or generated as waste, has evaporated, transpired, or been consumed or is polluted to the point of being unusable by other users, and is therefore not released back to surface water, groundwater, seawater, or a third party over the course of the reporting period

Recycled water refers to the amount of reused water consumption after wastewater is treated through the wastewater management processes. Water management is in place at the Company's shopping center and offices buildings.

Water discharge sum of effluents, used water, and unused water released to surface water, groundwater, seawater, or a third party, for which the organization has no further use, over the course of the reporting period Level of wastewater treatment

- No treatment including bleed off from cooling tower of Central Chaengwattana.
- **Primary treatment** including physical treatment before flow to Bangkok wastewater treatment plant (centralwOrld, Central Lardprao) and Pattaya wastewater treatment plant (Central Pattaya Beach, Central Marina)
- Secondary treatment including physical and biological wastewater treatment which shopping center uses Sequence Batch Reactor (SBR) or Deep shaft.

Water stress area ability, or lack thereof, to meet the demand for water which shopping center are in water stress high and highest.

Water Intensity calculated from water consumption per gross leasable area (GLA). The GLA is including leasable area and common areas.

Base Year

• The base year for calculation on environmental aspect is FY2015.

Note Calculation of water discharge in 2016-2017 equal 75% of water withdrawal.

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 |
|-----------|--|--|------------|------------|------------|------------|------------|
| Standards | | | | | | | |
| Greenhous | e Gas | | | | | | |
| 305-1 | Direct emission of greenhouse gas (Scope 1) | Ton CO2e | 4,302.52 | 3,789.15 | 4,103.52 | 6,077.46 | 6,824.11 |
| 305-2 | Indirect emission of greenhouse gas (Scope 2) | Ton CO₂e | 254,797.05 | 249,933.86 | 257,873.94 | 278,113.59 | 220,276.57 |
| 305-3 | Other indirect emission of greenhouse gas (Scope 3) | Ton CO2e | 270,231.21 | 283,575.89 | 299,733.37 | 295,372.58 | 246,101.94 |
| | Electricity sold to tenants | Ton CO₂e | | | 292,110.27 | 297,506.62 | 241,579.79 |
| | Municipal water | Ton CO₂e | | | 5,235.60 | 5,400.20 | 3,936.73 |
| | Business travel | Ton CO ₂ e | | | 2,388.03 | 2,195.90 | 585.42 |
| 305-4 | Greenhouse gas emission intensity | | | | | | |
| | Direct emission of greenhouse gas (Scope 1) per unit area | Ton CO₂e / m² | 1.61 | 1.34 | 1.37 | 2.01 | 2.25 |
| | Indirect emission of greenhouse gas (Scope 2) per unit area | Ton CO₂e / m² | 95.55 | 88.30 | 86.31 | 91.91 | 72.70 |
| | Other indirect emission of greenhouse gas (Scope 3) per unit area | Ton CO₂e / m² | 101.34 | 100.18 | 100.32 | 97.61 | 81.22 |
| | Direct and indirect emission of greenhouse gas (Scope 1 & 2) per unit area | Ton CO₂e / m² | 97.17 | 89.63 | 87.68 | 93.92 | 74.95 |
| | Direct, indirect and other indirect emission of greenhouse gas (Scope 1 & 2 & 3) per unit area | Ton CO ₂ e / m ² | 198.51 | 189.82 | 188.01 | 191.53 | 156.18 |

Definition and calculation guidelines

Greenhouse Gas

Reporting scope of GHG emissions covers CO2, CH4, and N2O which are calculated and shown in the form of CO2 equivalent that generates Global Warming Potential (GWP) specified by Intergovernmental Panel on Climate Change 2006 (IPCC) Meanwhile, the figure of emission factors is referred from IPCC and Thailand Greenhouse Gas Management Organization (TGO).

1. Scope Boundaries

- 1.1 <u>Direct emission (Scope 1)</u> occur from fuel or natural gas combustion and the leakage of methane gas from wastewater treatment, septick tank, refrigerant, fire extinguisher (CO2) and Sulfur Hexafluoride (SF6) through operating processes and activities under the Company's monitoring, control and management.
- 1.2 <u>Indirect emission (Scope 2)</u> occurs mainly from electricity, bought from external sources for Central Pattana's operations only.
- 1.3 Other indirect emission (Scope 3) occurs from water usage, electricity usage by tenants and fuel by business travel (staff travels by taxis, airplanes, train, boat and car rent).

2. Report on Emission

- 2.1 <u>Direct emission (Scope 1)</u> is based on fuel consumption (by weight or quality), e.g. the quality of oil or natural gas x GHG emission rate, as suggested in the 2006 IPCCguidelines.
- 2.2 <u>Indirect emission (Scope 2)</u> occurs mainly from electricity, bought from external sources for Central Pattana's operations only.
- 2.3 Other indirect emission (Scope 3) occurs from water usage, electricity usage by tenants and fuel by business travel (staff travels by taxis, airplanes, train, boat and car rent).
- 3. Assessment Method according to The Greenhouse Gas Protocol: A corporate accounting and Reporting Standard Revised Edition and Thailand Greenhouse Gas Management Organization (TGO) quildeline for carbon footprint assessment.

Intensity

Emission intensity calculate per gross leasable area (GLA). The GLA is including leasable area and common areas.

Base Year

The base year for calculation on environmental aspect is FY2015.

| GRI | Data | Unit | 2016 | 2017 | 2018 | 2019 | 2020 | | | | |
|-----------------------|---|-------------|-----------|------------|-----------|-----------|-----------|--|--|--|--|
| Standards | | | | | | | | | | | |
| Solid waste (Garbage) | | | | | | | | | | | |
| 306-3 | Waste generated | metric tons | 76,611.00 | 107,390.00 | 84,312.00 | 70,246.16 | 51,894.98 | | | | |
| (2020) | Hazardous waste | metric tons | 70,011.00 | 107,390.00 | 04,312.00 | 70,240.10 | 7.67 | | | | |
| Waste | Electronic waste (E-waste) | metric tons | | | | | 1.14 | | | | |
| generated | | | | | | | 19.61 | | | | |
| generated | Infectious waste | metric tons | 70 507 00 | 107 222 00 | 04 272 00 | 00.070.00 | | | | | |
| | General waste | metric tons | 76,597.00 | 107,323.00 | 84,273.00 | 68,070.86 | 49,186.06 | | | | |
| | Recycle waste (plastic, paper, metal, can, glass) | metric tons | 14.00 | 67.00 | 39.00 | 1,987.90 | 2,185.96 | | | | |
| | Preparation food | metric tons | | | | 175.31 | 494.54 | | | | |
| 306-4 | Waste diverted from disposal (offsite) | metric tons | 14.00 | 67.00 | 39.00 | 2,167.44 | 2,645.02 | | | | |
| (2020) | Hazardous waste | metric tons | | | | 4.23 | 8.80 | | | | |
| Waste | Recycling/ Reclaim (Hazardous waste, E-waste) | metric tons | | | | 4.23 | 8.80 | | | | |
| diverted | Non-hazardous waste | metric tons | 14.00 | 67.00 | 39.00 | 2,163.21 | 2,636.21 | | | | |
| from | Recycling | metric tons | 14.00 | 67.00 | 39.00 | 1,987.90 | 2,185.67 | | | | |
| disposal | Composting | metric tons | 14.00 | 67.00 | 39.00 | 175.31 | 450.25 | | | | |
| | Reuse (waste for art) | metric tons | | | | | 0.29 | | | | |
| 306-5 | Waste directed to disposal (offsite) | metric tons | 76,597.00 | 107,323.00 | 84,273.00 | 68,078.72 | 49,249.96 | | | | |
| (2020) | Hazardous waste | metric tons | | | | 7.86 | 19.61 | | | | |
| Waste | Incineration (Infectious waste) | metric tons | | | | 7.86 | 19.61 | | | | |
| directed to | Non-hazardous waste | metric tons | 76,597.00 | 107,323.00 | 84,273.00 | 68,070.86 | 49,230.35 | | | | |
| disposal | Landfill (General waste) | metric tons | 76,597.00 | 107,323.00 | 84,273.00 | 68,070.86 | 49,230.35 | | | | |
| | Waste generated rate | kg/person | 0.24 | 0.27 | 0.16 | 0.12 | 0.17 | | | | |
| | Diversion rate | % | 0.02 | 0.06 | 0.05 | 3.08 | 5.10 | | | | |

Definition and calculation guidelines

Waste covers total waste generated through Central Pattana's operartions and activities. The quantity of waste is based on valid estimation.

Waste diverted from disposal refers waste is taken for preparation for reuse, recycling and composting offsite.

Waste directed to disposal refers waste is taken for incineration (with/without energy recovery), landfill offsite.

Waste generated rate calculated from waste generated per customer visits.

Waste diversion rate calculated from waste diverted from disposal per waste generated.