

**PROPERTIES | 2016 SUSTAINABILITY REPORT**  
**ENVIRONMENTAL DATA PACK**



## INTRODUCTION

This data report provides a full picture of the environmental performance of Majid Al Futtaim Properties' existing assets. It fulfils our aspiration to Lead by Example through increasing transparency of our reporting.

This data report supplements the key performance indicators and long term target progress under the focus area of Resource Efficiency on pages 22-23 of **Majid Al Futtaim Properties | Sustainability Report 2016 “Empowering Our People to Reach Our Goals”**.

This report is aligned with the European Public Real Estate Association (EPRA) Sustainability Best Practice Reporting Guidelines and the requirements of the Global Real Estate Sustainability Benchmark.

### **Reporting Period**

All data in this report covers our latest reporting year, which is the 2016 calendar year, and the two previous reporting years (2015 and 2014).

### **Boundaries**

We report on properties where Majid Al Futtaim Properties has operational control. This means that we only report on properties where we have some form of management control, such as property management, and excludes properties where we have a financial investment but no managerial control.

This means that we report on the properties where we are directly responsible for their impacts and performance. These assets are located in countries across the Middle East. See page 3 for the locations of these assets.

The development impacts included are for just those new construction projects (i.e. excluding renovations and extensions) where Majid Al Futtaim Properties will have operational control and is the major stakeholder.

### **GRI & EPRA References**

Note that we just GRI & EPRA references at the top of each page (i.e. **GRI:** G4-EN3, EN4 | **EPRA:** ELEC-ABS, FUELS-ABS)

# OUR PORTFOLIO

## COVERAGE:

### Malls

We have been able to report on all of our Shopping Malls and Matajer Malls under operation during 2016, except for Al Shindhaga which opened part way through 2016 and will be included in next year's sustainability report.

### Hotels

We have reported on all 12 of the hotels which we owned in 2016 in the UAE and Bahrain.

### Offices

We have reported on all 4 of the offices which we owned in 2016, all of which are located in the UAE. This includes our Head Office in MAF Tower 2, which is reported under 'Corporate Headquarters'. All other offices are reported under 'Offices'.

### Leisure

We separately report on one Leisure asset, Ski Dubai, which although is located within our Mall of the Emirates, has been separately reported due to its differing use.

### Community developments

We have reported on the two phases of our community development at Al Zahia, which have been completed and are now operational. We also co-own two other

community developments (The Wave and Waterfront City), but do not have operational control and therefore do not include these in our reporting.

### Restated data:

Some data in 2015 has been restated where known data gaps have been filled and small errors rectified. The majority of these changes do not result in any material differences. However changes to the following data points have resulted in material differences compared to the figures reported in the 2015 Sustainability Report:

#### Hotels

Hotels energy intensity data for 2015 has been restated due to Deira City Centre Residences, which was under refurbishment during 2015, being erroneously included in the metric.

#### Offices

2015 water consumption has been rectified due to a reporting discrepancy for MAF Tower 1 being identified and revised.

#### Malls

Total landlord obtained electricity consumption for 2015 has been restated due to several revised data points leading to an increase of approximately 2% in the revised data across the portfolio.

	Floor area (incl Developments)	%
<b>COUNTRIES</b>		
UAE	2,334,983	71.5%
Bahrain	203,381	6.2%
Egypt	431,233	13.2%
Oman	233,170	7.1%
Lebanon	61,061	1.9%
<b>Total</b>	<b>3,263,828</b>	<b>100%</b>

OUR OPERATIONAL PORTFOLIO	ABSOLUTE REPORTING COVERAGE			FLOOR AREA	
	2014	2015	2016	2016 (m2)	Floor area type
<b>SHOPPING CENTRES</b>	12	12	13		
Mall of the Emirates	Y	Y	Y	233,467	NLA
City Centre Ajman	Y	Y	Y	29,443	NLA
City Centre Al Shindagha*	N/A	N/A	N	N/A	N/A
City Centre Alexandria	Y	Y	Y	61,039	NLA
City Centre Bahrain	Y	Y	Y	157,742	NLA
City Centre Beirut	Y	Y	Y	61,061	NLA
City Centre Deira	Y	Y	Y	113,679	NLA
City Centre Fujairah	Y	Y	Y	33,882	NLA
City Centre Maadi	Y	Y	Y	31,324	NLA
City Centre Me'aiseim	N/A	N/A	Y	16,933	NLA
City Centre Mirdif	Y	Y	Y	196,054	NLA
City Centre Muscat	Y	Y	Y	56,383	NLA
City Centre Qurum	Y	Y	Y	19,787	NLA
City Centre Sharjah	Y	Y	Y	37,727	NLA
<b>MATAJER / MY CITY CENTRE MALLS</b>	5	5	6		
Al Barsha	N/A	N/A	Y	5,000	GLA
Al Juraina	Y	Y	Y	6,098	NLA
Al Khan	Y	Y	Y	3,000	NLA
Al Migrab	Y	Y	Y	4,597	NLA
Al Quoz	Y	Y	Y	1,812	NLA
Nassiriya	Y	Y	Y	5,200	NLA
<b>LEISURE</b>	1	1	1		
Ski Dubai	Y	Y	Y	N/A	N/A
<b>OFFICES</b>	4	4	4		
City Centre Offices	Y	Y	Y	6,035	GIA
Rigga Road	Y	Y	Y	12,806	GIA
MAF Tower 1	Y	Y	Y	16,874	GIA
MAF Tower 2	Y	Y	Y	15,681	GIA
<b>HOTELS</b>	10	10	12		
Hilton Garden Inn Dubai	N/A	N/A	Y	24,686	GIA
Ibis and Novotel Suites - Mall of the Emirates#	Y	Y	Y	25,147	GIA
IBIS Dubai Al Rigga	Y	Y	Y	10,728	GIA
Kempinski Hotel - Mall of the Emirates	Y	Y	Y	71,157	GIA
Novotel and Ibis Dubai City Centre Deira#	Y	Y	Y	27,963	GIA
Pullman City Centre Deira	Y	Y	Y	28,360	GIA
Pullman City Centre Residences	N	N	Y	11,600	GIA
Sheraton Dubai - Mall of the Emirates	Y	Y	Y	49,654	GIA
Le Meridien City Centre Bahrain	Y	Y	Y		GIA
The Westin City Centre Bahrain	Y	Y	Y	45,639	GIA
<b>COMMUNITY DEVELOPMENTS</b>	1	1	1		
Al Zahia Phase 1 and 2	Y	Y	Y	1,300,000	Total land area
The Wave	N/A	N/A	N/A	N/A	N/A
Waterfront City	N/A	N/A	N/A	N/A	N/A

OUR DEVELOPMENT PORTFOLIO	Reporting coverage				Floor area type
	2014	2015	2016	2016^	
<b>DEVELOPMENTS</b>	2	2	5		
Al Maza City Centre	N/A	N/A	Y	103,455	GIA
Al Zahia Phases 2 and 3	N/A	N/A	Y	TBC	N/A
Aloft City Centre	N/A	N/A	Y	15,400	GIA
Mall of Egypt	Y	Y	Y	235,415	GIA
Mall of Oman	N/A	N/A	Y	157,000	Total land area
Me'aiseim City Centre	Y	Y	N/A	32,000	GIA

\* Opened part way through 2016

# Treated as two separate hotels, but with shared back of house

^ Projected floor areas reported. Final floor areas to be confirmed once development is completed

# ENERGY CONSUMPTION (MWh)

GRI: G4-EN3, EN4 | EPRA: ELEC-ABS, FUELS-ABS

Portfolios	2016 Coverage	Electricity						Other fuels*					
		2014		2015		2016		2014		2015		2016	
		Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption
<b>Total retail</b>	<b>19 of 20</b>	705,238	370,410	675,678	349,243	672,283	356,088	N/R	N/R	67,864	0	69,379	0
<b>Malls</b>	<b>13 of 14</b>	682,003	353,576	653,435	331,822	649,401	339,093	N/R	N/R	67,864	0	69,379	0
UAE	7 of 8	447,426	236,542	423,897	218,022	421,114	225,431	N/R	N/R	0	0	0	0
Bahrain	1 of 1	98,812	48,384	94,153	45,940	91,824	45,010	N/R	N/R	0	0	0	0
Oman	2 of 2	64,527	32,965	63,434	33,132	65,822	35,477	N/R	N/R	0	0	0	0
Egypt	2 of 2	43,609	20,324	42,104	19,484	41,564	18,454	N/R	N/R	0	0	0	0
Lebanon	1 of 1	27,630	15,362	29,847	15,243	29,077	14,722	N/R	N/R	67,864	0	69,379	0
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>	23,235	16,834	22,243	17,421	22,882	16,995	0	0	0	0	0	0
UAE	6 of 6	23,235	16,834	22,243	17,421	22,882	16,995	0	0	0	0	0	0
Bahrain	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
Lebanon	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	16,690	16,690	16,690	16,690	15,459	15,459	0	0	0	0	0	0
UAE	1 of 1	16,690	16,690	16,690	16,690	15,459	15,459	0	0	0	0	0	0
<b>Hotels#</b>	<b>12 of 12</b>	68,900	N/A	62,886	N/A	71,420	N/A	0	N/A	0	N/A	0	N/A
UAE	10 of 10	56,373	N/A	51,160	N/A	59,975	N/A	0	N/A	0	N/A	0	N/A
Bahrain	2 of 2	12,527	N/A	11,727	N/A	11,445	N/A	0	N/A	0	N/A	0	N/A
<b>Offices</b>	<b>3 of 3</b>	12,001	12,001	11,790	11,790	10,495	10,495	0	0	0	0	0	0
UAE	3 of 3	12,001	12,001	11,790	11,790	10,495	10,495	0	0	0	0	0	0
<b>Corporate headquarters</b>	<b>1 of 1</b>	3,184	N/A	2,961	N/A	3,459	N/A	0	0	0	0	0	0
UAE	1 of 1	3,184	N/A	2,961	N/A	3,459	N/A	0	0	0	0	0	0
<b>Communities</b>	<b>1 of 1</b>	583	0	890	0	1,248	0	0	0	0	0	0	0
UAE	1 of 1	583	0	890	0	1,248	0	0	0	0	0	0	0
<b>Developments</b>	<b>5 of 5</b>	54	N/A	0.3	N/A	185	N/A	25,853	N/A	50,844	N/A	45,790	N/A
UAE	2 of 2	0	N/A	0	N/A	185	N/A	961	N/A	2,988	N/A	13,379	N/A
Oman	1 of 1	N/A	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	4,254	N/A
Egypt	2 of 2	54	N/A	0.3	N/A	0	N/A	24,891	N/A	47,856	N/A	28,157	N/A

# ENERGY CONSUMPTION (MWh)

GRI: G4-EN6 | EPRA: ELEC-LFL, FUELS-LFL

Portfolios	Coverage	Electricity				Other fuels*			
		2015		2016		2015		2016	
		Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption
<b>Total retail</b>	<b>17 of 20</b>	675,678	349,243	659,689	346,101	67,864	0	69,379	0
<b>Malls</b>	<b>12 of 14</b>	653,435	331,822	637,950	329,719	67,864	0	69,379	0
<b>UAE</b>	<b>6 of 8</b>	423,897	218,022	409,663	216,057	0	0	0	0
Bahrain	1 of 1	94,153	45,940	91,824	45,010	0	0	0	0
Oman	2 of 2	63,434	33,132	65,822	35,477	0	0	0	0
Egypt	2 of 2	42,104	19,484	41,564	18,454	0	0	0	0
Lebanon	1 of 1	29,847	15,243	29,077	14,722	67,864	0	69,379	0
<b>Matajer Malls / My City Centres</b>	<b>5 of 6</b>	22,243	17,421	21,739	16,382	0	0	0	0
<b>UAE</b>	<b>5 of 6</b>	22,243	17,421	21,739	16,382	0	0	0	0
Bahrain	0 of 0	0	0	0	0	0	0	0	0
Oman	0 of 0	0	0	0	0	0	0	0	0
Egypt	0 of 0	0	0	0	0	0	0	0	0
Lebanon	0 of 0	0	0	0	0	0	0	0	0
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	16,690	16,690	15,459	15,459	0	0	0	0
<b>UAE</b>	<b>1 of 1</b>	16,690	16,690	15,459	15,459	0	0	0	0
<b>Hotels</b>	<b>9 of 12</b>	45,536	N/A	44,154	N/A	0	N/A	0	N/A
<b>UAE</b>	<b>7 of 10</b>	33,810	N/A	32,709	N/A	0	N/A	0	N/A
Bahrain	2 of 2	11,727	N/A	11,445	N/A	0	N/A	0	N/A
<b>Offices</b>	<b>3 of 3</b>	11,790	11,790	10,495	10,495	0	0	0	0
<b>UAE</b>	<b>3 of 3</b>	11,790	11,790	10,495	10,495	0	0	0	0
<b>Corporate headquarters</b>	<b>1 of 1</b>	2,961	N/A	3,459	N/A	0	N/A	0	N/A
<b>UAE</b>	<b>1 of 1</b>	2,961	N/A	3,459	N/A	0	N/A	0	N/A
<b>Communities<sup>#</sup></b>	<b>0 of 1</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>UAE</b>	<b>0 of 1</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

# LANDLORD SHARED SERVICES ELECTRICITY INTENSITY (kWh/m<sup>2</sup>/yr)

GRI: G4-EN5 | EPRA: ENERGY-INT

Portfolios	2016 coverage	Denominator	Electricity (kWh / m <sup>2</sup> or persons / yr)		
			2014	2015	2016
			Energy intensity	Energy intensity	Energy intensity
<b>Total retail</b>	<b>17 of 20</b>		946	924	843
<b>Malls</b>	<b>12 of 14</b>		950	930	845
UAE	6 of 8	Common parts area (m <sup>2</sup> )	1,156	1,128	990
Bahrain	1 of 1		619	592	575
Oman	2 of 2		1,042	1,000	835
Egypt	2 of 2		750	728	744
Lebanon	1 of 1		598	712	700
<b>Matajer Malls / My City Centres</b>	<b>5 of 6</b>		755	652	725
UAE	5 of 6	Common parts area (m <sup>2</sup> )	755	652	725
Bahrain	0 of 0		0	0	0
Oman	0 of 0		0	0	0
Egypt	0 of 0		0	0	0
Lebanon	0 of 0		0	0	0
<b>Leisure (Ski Dubai)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
UAE	N/A	N/A	N/A	N/A	N/A
<b>Hotels</b>	<b>12 of 12</b>		46	44	46
UAE	10 of 10	Guest nights	38	36	42
Bahrain	2 of 2		111	131	114
<b>Offices</b>	<b>3 of 3</b>		7,031	6,230	5,677
UAE	3 of 3	Staff	7,031	6,230	5,677
<b>Corporate headquarters</b>	<b>1 of 1</b>		6,606	6,645	7,472
UAE	1 of 1	Staff	6,606	6,645	7,472
<b>Communities<sup>#</sup></b>	<b>0 of 1</b>		<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
UAE	0 of 1	N/A	N/A	N/A	N/A

# ABSOLUTE GREENHOUSE GAS EMISSIONS (tCO<sub>2</sub>e)

GRI: G4-EN15, EN16, EN17 | EPRA: GHG DIR-ABS, GHG INDIR-ABS

Portfolios	2016 Coverage	Emissions (tCO <sub>2</sub> e)*								
		2014			2015			2016		
		Scope 1	Scope 2	Scope 3	Scope 1	Scope 2	Scope 3	Scope 1	Scope 2	Scope 3
<b>Total retail</b>	<b>19 of 20</b>	0	217,984	311,791	17,070	210,775	295,267	17,451	201,343	290,096
<b>Malls</b>	<b>13 of 14</b>	0	213,669	298,044	17,070	207,548	281,242	17,451	197,572	276,967
<b>UAE</b>	<b>7 of 8</b>	N/R	142,136	205,657	0	137,823	190,969	0	125,644	185,433
<b>Bahrain</b>	<b>1 of 1</b>	N/R	33,988	42,820	0	32,276	40,752	0	35,300	42,756
<b>Oman</b>	<b>2 of 2</b>	N/R	21,273	28,885	0	20,285	28,916	0	16,651	25,787
<b>Egypt</b>	<b>2 of 2</b>	N/R	10,641	11,758	0	10,274	11,346	0	9,739	10,446
<b>Lebanon</b>	<b>1 of 1</b>	N/R	5,631	8,924	17,070	6,889	9,259	17,451	10,239	12,545
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>	0	4,314	13,747	0	3,228	14,025	0	3,770	13,129
<b>UAE</b>	<b>6 of 6</b>	0	4,314	13,747	0	3,228	14,025	0	3,770	13,129
<b>Bahrain</b>	<b>0 of 0</b>	0	0	0	0	0	0	0	0	0
<b>Oman</b>	<b>0 of 0</b>	0	0	0	0	0	0	0	0	0
<b>Egypt</b>	<b>0 of 0</b>	0	0	0	0	0	0	0	0	0
<b>Lebanon</b>	<b>0 of 0</b>	0	0	0	0	0	0	0	0	0
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	0	0	12,973	0	0	12,945	0	0	11,430
<b>UAE</b>	<b>1 of 1</b>	0	0	12,973	0	0	12,945	0	0	11,430
<b>Hotels</b>	<b>12 of 12</b>	0	46,438	7,119	0	42,099	6,678	0	47,216	6,858
<b>UAE</b>	<b>10 of 10</b>	0	37,995	5,824	0	34,249	5,433	0	38,586	5,759
<b>Bahrain</b>	<b>2 of 2</b>	0	8,443	1,294	0	7,851	1,245	0	8,630	1,099
<b>Offices</b>	<b>3 of 3</b>	0	8,089	1,240	0	7,893	1,252	0	6,752	1,008
<b>UAE</b>	<b>3 of 3</b>	0	8,089	1,240	0	7,893	1,252	0	6,752	1,008
<b>Corporate headquarters</b>	<b>1 of 1</b>	0	2,146	329	0	1,982	314	0	2,225	332
<b>UAE</b>	<b>1 of 1</b>	0	2,146	329	0	1,982	314	0	2,225	332
<b>Communities</b>	<b>1 of 1</b>	0	393	60	0	596	95	0	803	120
<b>UAE</b>	<b>1 of 1</b>	0	393	60	0	596	95	0	803	120
<b>Developments</b>	<b>5 of 5</b>	0	0	6526	0	0	12790	0	0	11,653
<b>UAE</b>	<b>2 of 2</b>	0	0	242	0	0	752	0	0	3,502
<b>Oman</b>	<b>1 of 1</b>	N/A	N/A	N/A	N/A	N/A	N/A	0	0	1,070
<b>Egypt</b>	<b>2 of 2</b>	0	0	6,284	0	0	12,038	0	0	7,082

# LIKE-FOR-LIKE GREENHOUSE GAS EMISSIONS (tCO<sub>2</sub>e)

GRI: G4-EN19 | EPRA: GHG-DIR-LFL, GHG-INDIR-LFL

Portfolios	Coverage	Emissions (tCO <sub>2</sub> e)*								
		Scope 1			Scope 2			Scope 3		
		2015	2016	% change	2015	2016	% change	2015	2016	% change
<b>Total retail</b>	<b>17 of 20</b>	17,070	17,451	2%	210,775	199,935	-5%	295,267	282,501	-4%
<b>Malls</b>	<b>12 of 14</b>	17,070	17,451	2%	207,548	196,488	-5%	281,242	269,874	-4%
UAE	6 of 8	0	0	-	137,823	124,560	-10%	190,969	178,340	-7%
Bahrain	1 of 1	0	0	-	32,276	35,300	9%	40,752	42,756	5%
Oman	2 of 2	0	0	-	20,285	16,651	-18%	28,916	25,787	-11%
Egypt	2 of 2	0	0	-	10,274	9,739	-5%	11,346	10,446	-8%
Lebanon	1 of 1	17,070	17,451	2%	6,889	10,239	49%	9,259	12,545	35%
<b>Matajer Malls / My City Centres</b>	<b>5 of 6</b>	0	0	-	3,228	3,447	0	14,025	12,627	-10%
UAE	5 of 6	0	0	-	3,228	3,447	-	14,025	12,627	-10%
Bahrain	0 of 0	0	0	-	0	0	-	0	0	-
Oman	0 of 0	0	0	-	0	0	-	0	0	-
Egypt	0 of 0	0	0	-	0	0	-	0	0	-
Lebanon	0 of 0	0	0	-	0	0	-	0	0	-
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	0	0	-	0	0	-	12,945	11,430	-12%
UAE	1 of 1	0	0	-	0	0	-	12,945	11,430	-12%
<b>Hotels</b>	<b>9 of 12</b>	0	0	-	28,895	31,264	0	0	0	-
UAE	7 of 10	0	0	-	21,044	22,634	0	0	0	-
Bahrain	2 of 2	0	0	-	7,851	8,630	0	0	0	-
<b>Offices</b>	<b>3 of 3</b>	0	0	-	7,893	6,752	-14%	1,252	1,008	-20%
UAE	3 of 3	0	0	-	7,893	6,752	-14%	1,252	1,008	-20%
<b>Corporate headquarters</b>	<b>1 of 1</b>	0	0	-	1,982	2,225	12%	314	332	6%
UAE	1 of 1	0	0	-	1,982	2,225	12%	314	332	6%
<b>Communities<sup>#</sup></b>	<b>N/A</b>	N/A	N/A	-	N/A	N/A	-	N/A	N/A	-
UAE	N/A	N/A	N/A	-	N/A	N/A	-	N/A	N/A	-



# SCOPE 1 AND 2 GREENHOUSE GAS EMISSIONS INTENSITY(kgCO<sub>2</sub>e/m<sup>2</sup>/yr)

GRI: G4-EN18 | EPRA: GHG-INT

Portfolios	2016 Coverage	Denominator	GHG emissions (tCO <sub>2</sub> e / m <sup>2</sup> or persons / yr)		
			2014	2015	2016
<b>Total retail</b>	<b>17 of 20</b>		607	638	611
<b>Malls</b>	<b>12 of 14</b>		618	650	587
UAE	6 of 8	Common parts area (m <sup>2</sup> )	779	755	637
Bahrain	1 of 1		417	396	434
Oman	2 of 2		702	670	458
Egypt	2 of 2		343	331	313
Lebanon	1 of 1		274	1,168	1,350
<b>Matajer Malls / My City Centres</b>	<b>5 of 6</b>			509	437
UAE	5 of 6	Common parts area (m <sup>2</sup> )	509	437	401
Bahrain	0 of 0		0	0	0
Oman	0 of 0		0	0	0
Egypt	0 of 0		0	0	0
Lebanon	0 of 0		0	0	0
<b>Leisure (Ski Dubai)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
UAE	N/A	N/A	N/A	N/A	N/A
<b>Hotels</b>	<b>12 of 12</b>		42	41	31
UAE	10 of 10	Guest night	39	36	27
Bahrain	2 of 2		75	88	86
<b>Offices</b>	<b>3 of 3</b>		5	4	4
UAE	3 of 3	Staff	5	4	4
<b>Corporate headquarters</b>	<b>1 of 1</b>		4	4	5
UAE	1 of 1	Staff	4	4	5
<b>Communities<sup>#</sup></b>	<b>0 of 1</b>		N/A	N/A	N/A
UAE	0 of 1	N/A	N/A	N/A	N/A

# WATER CONSUMPTION (m<sup>3</sup>)

## EPRA: WATER-ABS

Portfolios	2016 Coverage	Water (m <sup>3</sup> ) *					
		2014		2015		2016	
		Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption
<b>Total retail</b>	<b>19 of 20</b>	3,614,852	1,004,719	3,578,372	956,256	3,637,813	1,000,341
<b>Malls</b>	<b>13 of 14</b>	3,574,447	978,120	3,538,805	931,349	3,594,771	974,371
UAE	7 of 8	2,099,513	593,215	2,017,389	547,771	2,103,533	590,477
Bahrain	1 of 1	483,761	175,549	464,207	152,873	464,867	147,666
Oman	2 of 2	271,884	47,827	291,023	63,953	301,135	70,869
Egypt	2 of 2	444,498	104,846	435,927	107,473	441,197	105,933
Lebanon	1 of 1	274,791	56,683	330,258	59,279	284,039	59,426
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>	40,405	26,599	39,567	24,907	43,042	25,969
UAE	6 of 6	40,405	26,599	39,567	24,907	43,042	25,969
Bahrain	0 of 0	0	0	0	0	0	0
Oman	0 of 0	0	0	0	0	0	0
Egypt	0 of 0	0	0	0	0	0	0
Lebanon	0 of 0	0	0	0	0	0	0
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	66,784	66,784	64,788	64,788	62,312	62,312
UAE	1 of 1	66,784	66,784	64,788	64,788	62,312	62,312
<b>Hotels</b>	<b>12 of 12</b>	535,729	N/A	516,103	N/A	543,370	N/A
UAE	10 of 10	395,971	N/A	389,942	N/A	423,711	N/A
Bahrain	2 of 2	139,758	N/A	126,161	N/A	119,659	N/A
<b>Offices</b>	<b>3 of 3</b>	83,203	83,203	85,451	85,451	91,763	91,763
UAE	3 of 3	83,203	83,203	85,451	85,451	91,763	91,763
<b>Corporate headquarters</b>	<b>1 of 1</b>	4,915	N/A	4,969	N/A	6,351	N/A
UAE	1 of 1	4,915	N/A	4,969	N/A	6,351	N/A
<b>Communities</b>	<b>1 of 1</b>	1,199,213	0	241,237	0	886,988	0
UAE	1 of 1	1,199,213	0	241,237	0	886,988	0
<b>Developments</b>	<b>5 of 5</b>	165,041	N/A	175,593	N/A	101,021	N/A
UAE	2 of 2	3,638	N/A	11,853	N/A	78,403	N/A
Oman	1 of 1	N/A	N/A	N/A	N/A	847	N/A
Egypt	2 of 2	161,403	N/A	163,740	N/A	21,771	N/A

# WATER CONSUMPTION (m<sup>3</sup>)

GRI: G4-EN8, WATER-ABS

Portfolios	2016 Coverage	Water (m <sup>3</sup> )											
		Total 2014 consumption				Total 2015 consumption				Total 2016 consumption			
		Municipal supplies	Treated sewage effluent	Reverse osmosis rejected water	Tanker and mineral water	Municipal supplies	Treated sewage effluent	Reverse osmosis rejected water	Tanker and mineral water	Municipal supplies	Treated sewage effluent	Reverse osmosis rejected water	Tanker and mineral water
<b>Total retail</b>	<b>19 of 20</b>	3,614,852	0	0	0	3,527,399	0	50,972	0	3,467,173	132,612	38,028	0
<b>Malls</b>	<b>13 of 14</b>	3,574,447	0	0	0	3,487,832	0	50,972	0	3,424,131	132,612	38,028	0
UAE	7 of 8	2,099,513	0	0	0	2,017,389	0	0	0	1,970,921	132,612	0	0
Bahrain	1 of 1	483,761	0	0	0	464,207	0	0	0	464,867	0	0	0
Oman	2 of 2	271,884	0	0	0	291,023	0	0	0	301,135	0	0	0
Egypt	2 of 2	444,498	0	0	0	435,927	0	0	0	441,197	0	0	0
Lebanon	1 of 1	274,791	0	0	0	279,286	0	50972	0	246,011	38028	0	0
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>	40,405				39,567				43,042			
UAE	6 of 6	40,405	0	0	0	39,567	0	0	0	43,042	0	0	0
Bahrain	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
Lebanon	0 of 0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	66,784	0	0	0	64,788	0	0	0	62,312	0	0	0
UAE	1 of 1	66,784	0	0	0	64,788	0	0	0	62,312	0	0	0
<b>Hotels</b>	<b>12 of 12</b>	535,729	0	0	0	516,103	0	0	0	543,370	0	0	0
UAE	10 of 10	395,971	0	0	0	389,942	0	0	0	423,711	0	0	0
Bahrain	2 of 2	139,758	0	0	0	126,161	0	0	0	119,659	0	0	0
<b>Offices</b>	<b>3 of 3</b>	83,203	0	0	0	85,451	0	0	0	91,763	0	0	0
UAE	3 of 3	83,203	0	0	0	85,451	0	0	0	91,763	0	0	0
<b>Corporate headquarters</b>	<b>1 of 1</b>	4,915	0	0	0	4,969	0	0	0	6,351	0	0	0
UAE	1 of 1	4,915	0	0	0	4,969	0	0	0	6,351	0	0	0
<b>Communities</b>	<b>1 of 1</b>	1,199,062	0	0	151	241,052	0	0	185	886,831	0	0	157
UAE	1 of 1	1,199,062	0	0	151	241,052	0	0	185	886,831	0	0	157
<b>Developments</b>	<b>5 of 5</b>	161,295	0	0	3,751	172,658	0	0	2,935	81,564	0	845	18612
UAE	3 of 3	0	0	0	3,638	9,026	0	0	2,828	59,898	0	0	18505
Oman	1 of 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	845	3
Egypt	1 of 1	161,295	0	0	113	163,632	0	0	107	21,666	0	0	104

# WATER CONSUMPTION (m<sup>3</sup>)

## EPRA: WATER-LFL

Portfolios	Coverage	Water (m <sup>3</sup> )			
		2015		2016	
		Total MAFP obtained	of which is exclusive tenant consumption	Total MAFP obtained	of which is exclusive tenant consumption
<b>Total retail</b>	<b>18 of 20</b>	3,578,372	956,256	3,588,199	955,233
<b>Malls</b>	<b>12 of 14</b>	3,538,805	931,349	3,549,131	931,349
UAE	6 of 8	2,017,389	547,771	2,057,893	547,771
Bahrain	1 of 1	464,207	152,873	464,867	152,873
Oman	2 of 2	291,023	63,953	301,135	63,953
Egypt	2 of 2	435,927	107,473	441,197	107,473
Lebanon	1 of 1	330,258	59,279	284,039	59,279
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>	39,567	24,907	39,068	23,884
UAE	6 of 6	39,567	24,907	39,068	23,884
Bahrain	0 of 0	0	0	0	0
Oman	0 of 0	0	0	0	0
Egypt	0 of 0	0	0	0	0
Lebanon	0 of 0	0	0	0	0
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	64,788	64,788	62,312	62,312
UAE	1 of 1	64,788	64,788	62,312	62,312
<b>Hotels</b>	<b>9 of 12</b>	408,513	N/A	383,940	N/A
UAE	7 of 10	282,352	N/A	264,281	N/A
Bahrain	2 of 2	126,161	N/A	119,659	N/A
<b>Offices</b>	<b>3 of 3</b>	85,451	85,451	91,763	91,763
UAE	3 of 3	85,451	85,451	91,763	91,763
<b>Corporate headquarters</b>	<b>1 of 1</b>	4,969	N/A	6,351	N/A
UAE	1 of 1	4,969	N/A	6,351	N/A
<b>Communities<sup>#</sup></b>	<b>0 of 1</b>	N/A	N/A	N/A	N/A
UAE	0 of 1	N/A	N/A	N/A	N/A

# WATER INTENSITY (litres/visitor or employee/yr)

## EPRA: WATER-INT

Portfolios	2016 Coverage	Denominator	Water (m <sup>3</sup> / visitor or employee / yr)*		
			2014	2015	2016
			Total MAFP obtained	Total MAFP obtained	Total MAFP obtained
<b>Total retail</b>	<b>18 of 20</b>		21	20	21
<b>Malls</b>	<b>12 of 14</b>		22	21	21
UAE	6 of 8	Visitors	19	18	18
Bahrain	1 of 1		36	32	31
Oman	2 of 2		20	21	20
Egypt	2 of 2		19	18	20
Lebanon	1 of 1		43	49	40
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>			6	5
UAE	6 of 6	Visitors	5.9	5.4	5.3
Bahrain	0 of 0		0	0	0
Oman	0 of 0		0	0	0
Egypt	0 of 0		0	0	0
Lebanon	0 of 0		0	0	0
<b>Leisure (Ski Dubai)</b>	<b>N/A</b>			N/A	N/A
UAE	N/A	N/A	N/A	N/A	N/A
<b>Hotels</b>	<b>12 of 12</b>		405	393	355
UAE	10 of 10	Guest nights	309	297	294
Bahrain	2 of 2		1,241	1,409	1,336
<b>Offices</b>	<b>3 of 3</b>		49	45	50
UAE	3 of 3	Staff	49	45	50
<b>Corporate headquarters</b>	<b>1 of 1</b>		10	11	14
UAE	1 of 1	Staff	10	11	14
<b>Communities<sup>#</sup></b>	<b>0 of 1</b>		N/A	N/A	N/A
UAE	0 of 1	N/A	N/A	N/A	N/A

# WASTE BY DISPOSAL ROUTE (Tonnes)

EPRA: G4-EN23, WASTE-ABS

Portfolios	2016 Coverage	Waste (Tonnes)											
		2014				2015				2016			
		Total waste	Recycled	Landfilled	% recycled	Total waste	Recycled	Landfilled	% recycled	Total waste	Recycled	Landfilled	% recycled
<b>Total retail</b>	<b>19 of 20</b>	38,435	6,348	32,087	0	41,855	8,878	32,976	21%	54,318	18,033	35,975	33%
<b>Malls</b>	<b>13 of 14</b>	34,993	6,348	28,646	0	38,850	8,878	29,972	23%	50,877	18,033	32,844	35%
<b>UAE</b>	<b>7 of 8</b>	23,434	4,737	18,696	0	26,586	7,257	19,329	27%	37,944	14,918	23,026	39%
Bahrain	1 of 1	4,649	650	3,999	0	5,123	624	4,499	0	5,443	740	4,703	14%
Oman	2 of 2	4,895	270	4,624	5.5%	5,428	292	5,136	5.4%	5,845	1,624	4,221	28%
Egypt	2 of 2	997	594	403	1	803	613	190	1	787	604	183	77%
Lebanon	1 of 1	1,019	96	923	0	911	93	818	0	858	147	711	17%
<b>Matajer Malls / My City Centres</b>	<b>6 of 6</b>	3,442	0	3442	0%	3,005	0	3005	0%	3,131	0	3131	0%
<b>UAE</b>	<b>6 of 6</b>	3,442	0	3,442	0%	3,005	0	3,005	0%	3,131	0	3,131	0%
Bahrain	0 of 0	0	0	0	-	0	0	0	-	0	0	0	-
Oman	0 of 0	0	0	0	-	0	0	0	-	0	0	0	-
Egypt	0 of 0	0	0	0	-	0	0	0	-	0	0	0	-
Lebanon	0 of 0	0	0	0	-	0	0	0	-	0	0	0	-
<b>Leisure (Ski Dubai)</b>	<b>1 of 1</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>UAE</b>	<b>1 of 1</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Hotels</b>	<b>12 of 12</b>	1,355	528	827	0	1,485	409	1,075	0	1,998	424	1,574	21%
<b>UAE</b>	<b>10 of 10</b>	1,355	528	827	0	1,485	409	1,075	0	1,648	403	1,245	24%
Bahrain	2 of 2	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	350	21	329	6%
<b>Offices</b>	<b>3 of 3</b>	52	22	30	43%	44	18	26	0	58	31	27	53%
<b>UAE</b>	<b>3 of 3</b>	52	22	30	43%	44	18	26	0	58	31	27	53%
<b>Corporate headquarters</b>	<b>1 of 1</b>	33	23	10	69%	31	20	11	64%	36	25	11	69%
<b>UAE</b>	<b>1 of 1</b>	33	23	10	69%	31	20	11	64%	36	25	11	69%
<b>Communities</b>	<b>1 of 1</b>	54	12	42	22%	119	26	93	22%	130	20	110	15%
<b>UAE</b>	<b>1 of 1</b>	54	12	42	22%	119	26	93	22%	130	20	110	15%
<b>Developments*</b>	<b>5 of 5</b>	270,215	19,086	251,129	7%	185,549	26,179	159,370	14%	146,406	12,658	133,748	9%
<b>UAE</b>	<b>2 of 2</b>	17,157	706	16,452	4%	28,222	3,814	24,408	14%	79,289	6,002	73,287	8%
Oman	1 of 1	N/A	N/A	N/A	-	N/A	N/A	N/A	-	52,283	0	52,283	0
Egypt	2 of 2	253,058	18,380	234,677	7%	157,327	22,365	134,962	14%	14,834	6,656	8,178	45%

# EMISSIONS FACTORS

## SUMMARY BY COUNTRY, SCOPE AND YEAR

Year	Country	Scope 2 electricity emissions factor (kgCO <sub>2</sub> e / kWh)	Scope 3 T&D electricity emissions factor (kgCO <sub>2</sub> e / kWh)
<b>Electricity</b>			
2014	Bahrain	0.674	0.10332
	Egypt	0.457	0.05663
	Oman	0.674	0.10332
	UAE	0.674	0.10332
	Beirut	0.459	0.06778
2015	Bahrain	0.66945	0.10619
	Egypt	0.45421	0.05928
	Oman	0.66945	0.10619
	UAE	0.66945	0.10619
	Beirut	0.47174	0.06928
2016	Bahrain	0.754039397	0.09602
	Egypt	0.421409663	0.05928
	Oman	0.548709561	0.09602
	UAE	0.643369485	0.09602
	Beirut	0.713219429	0.07032
<b>Other fuels</b>			
Fuel	Country	Scope 1 emissions factor (kgCO <sub>2</sub> e / kWh)	
Natural Gas	All	0.18445	
Diesel	All	0.25154	

Source: DEFRA / IEA from 2016

If you have any questions or queries regarding the data in this report, please contact us at:  
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