

2018 In Review

Annual Report to City Council and the People
Water and Light Advisory Board

Scott Fines, Chair

Dr. Dick Parker, PhD

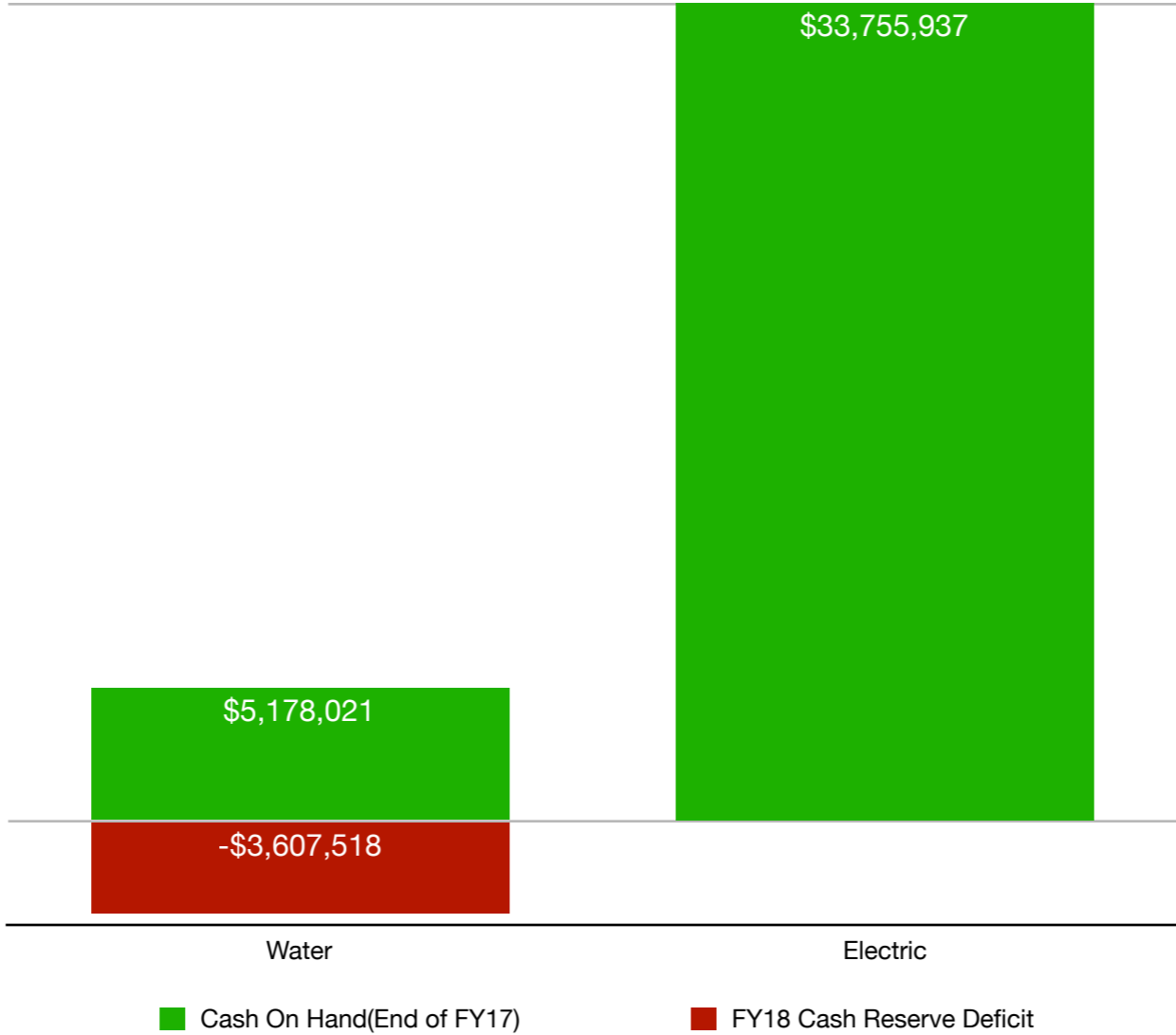
Jay Hasheider

Kim Fallis

Robin Wenneker

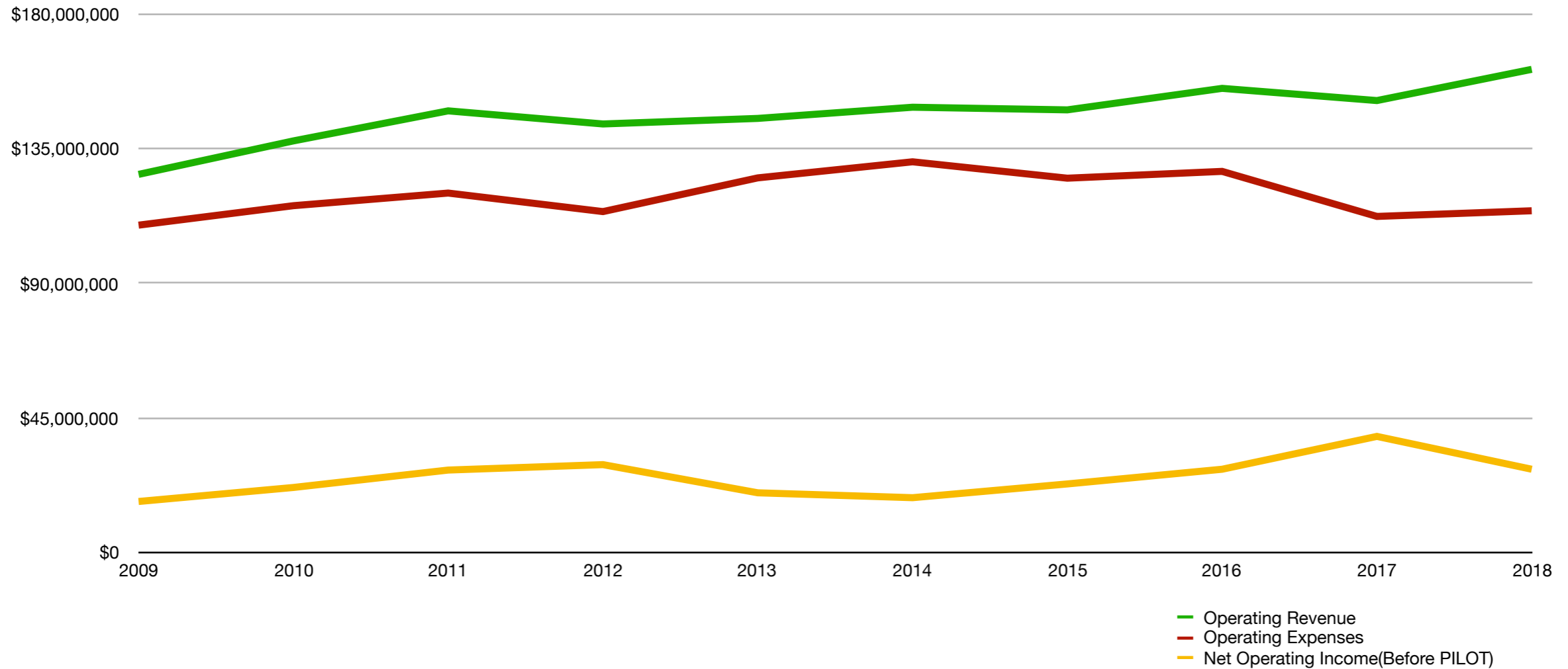
Financial Status

Water and Electric Cash Reserve Status, End of FY2018



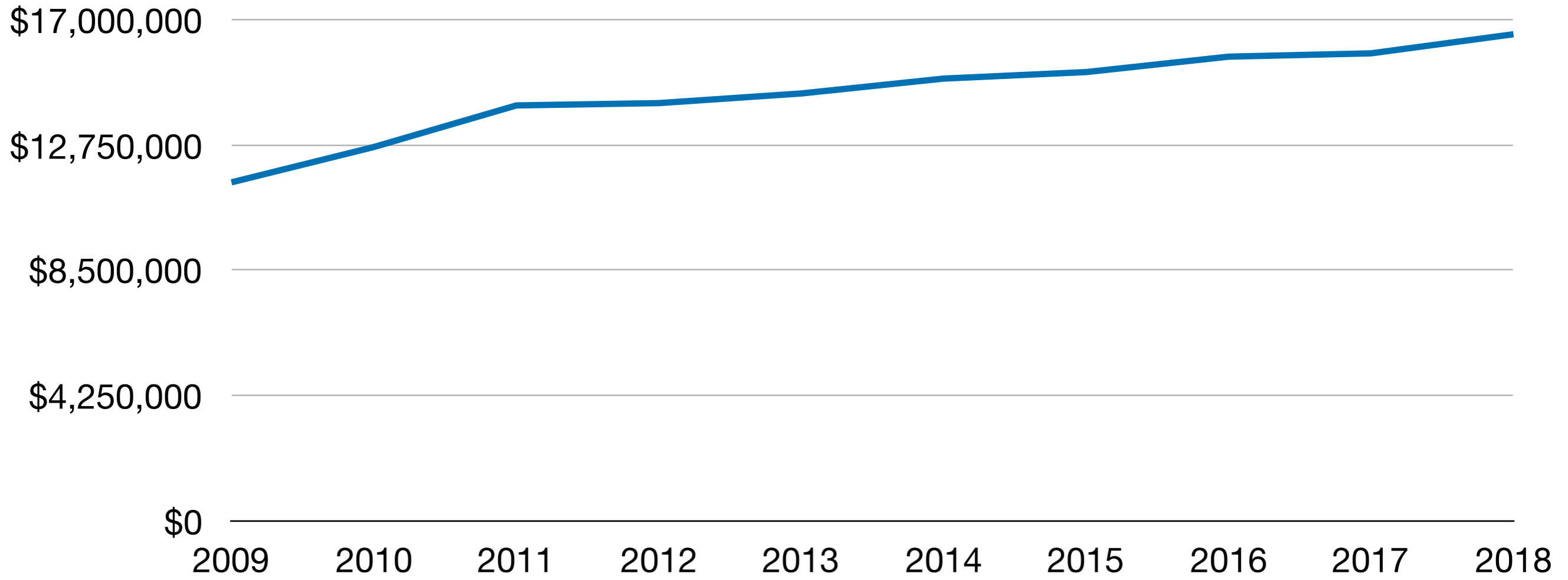
	CASH ON HAND (END OF FY18)	FY18 TARGET CASH RESERVE	FY18 CASH RESERVE DEFICIT
Water	\$5,178,021	\$8,785,539	-\$3,607,518
Electric	\$33,755,937	\$32,411,156	\$1,344,781

Combined Operating Revenues and Expenses



YEAR	OPERATING REVENUE	OPERATING EXPENSES	NET OPERATING INCOME (BEFORE PILOT)	PILOT
2009	\$126,435,095	\$109,444,670	\$16,990,425	\$11,481,441.00
2010	\$137,633,839	\$115,957,434	\$21,676,405	\$12,680,470.00
2011	\$147,684,732	\$120,181,553	\$27,503,179	\$14,091,375.00
2012	\$143,300,497	\$113,980,451	\$29,320,046	\$14,170,229.00
2013	\$145,158,216	\$125,262,175	\$19,896,041	\$14,497,510.00
2014	\$148,900,970	\$130,642,752	\$18,258,218	\$15,002,555.00
2015	\$148,017,154	\$125,157,870	\$22,859,284	\$15,223,336.00
2016	\$155,212,893	\$127,435,234	\$27,777,659	\$15,746,363.00
2017	\$151,130,589	\$112,365,807	\$38,764,782	\$15,859,317.00
2018	\$161,576,967	\$114,258,630	\$47,318,337	\$16,507,229.00

Annual P.I.L.O.T. Payments



YEAR	PILOT
2009	\$11,481,441
2010	\$12,680,470
2011	\$14,091,375
2012	\$14,170,229
2013	\$14,497,510
2014	\$15,002,555
2015	\$15,223,336
2016	\$15,746,363
2017	\$15,859,317
2018	\$16,507,229

Water Utility

Water Utility Finances

Operating Revenue: \$26,941,092

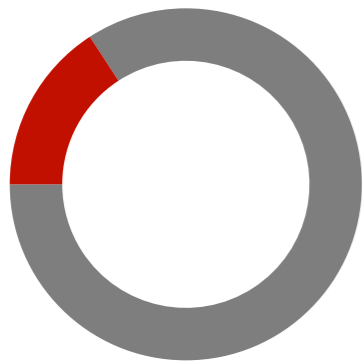


\$18,502,948
Residential Sales



\$7,767,128
Commercial Sales

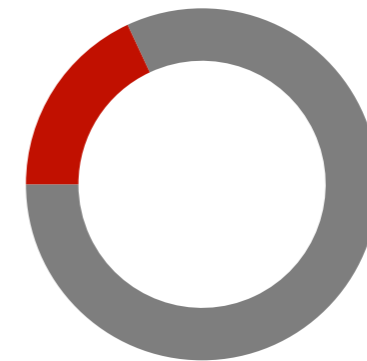
Operating Expenses: \$14,635,911



\$2,316,067
Water Purification

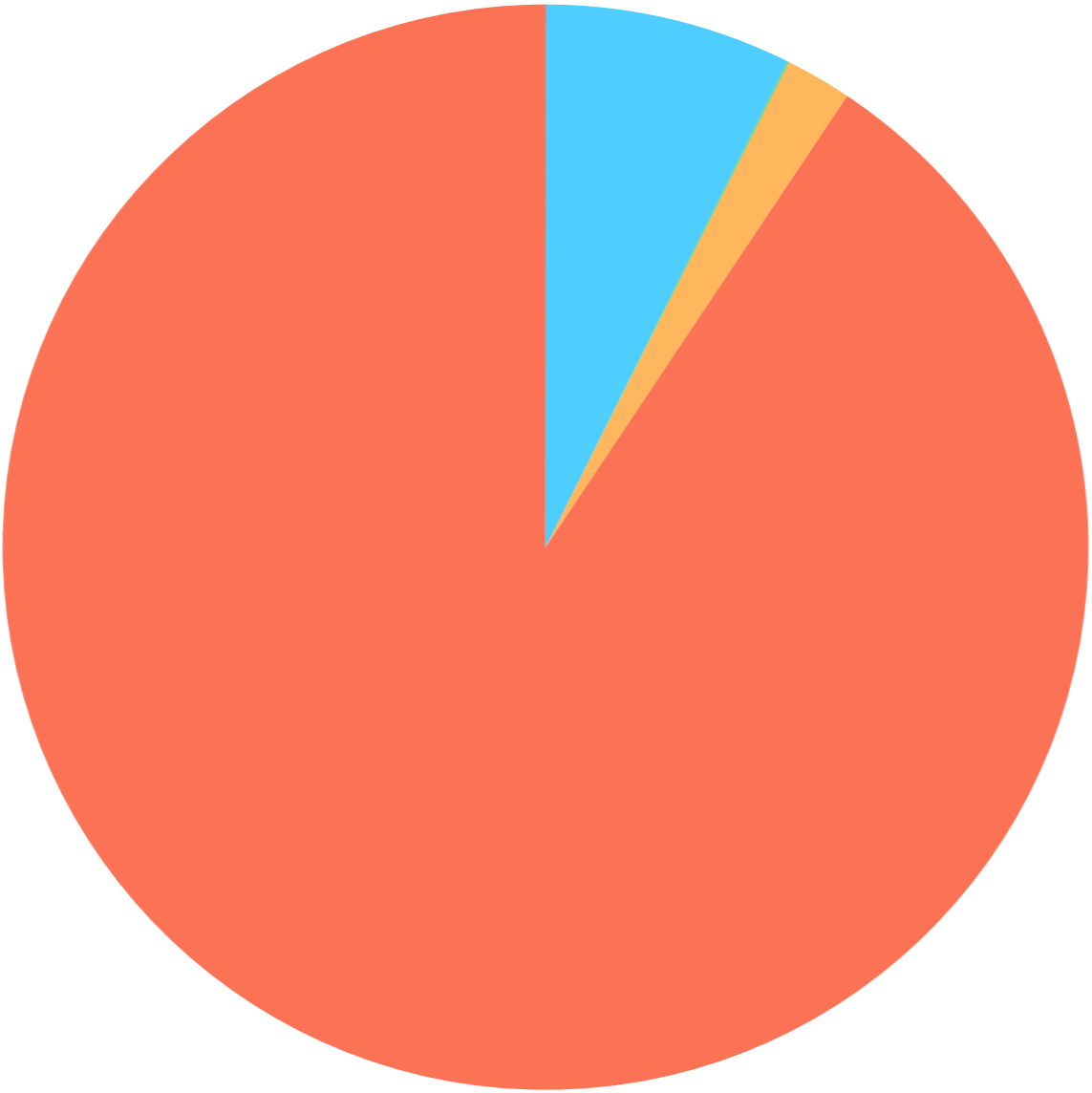


\$5,756,909
Transmission and
Distribution



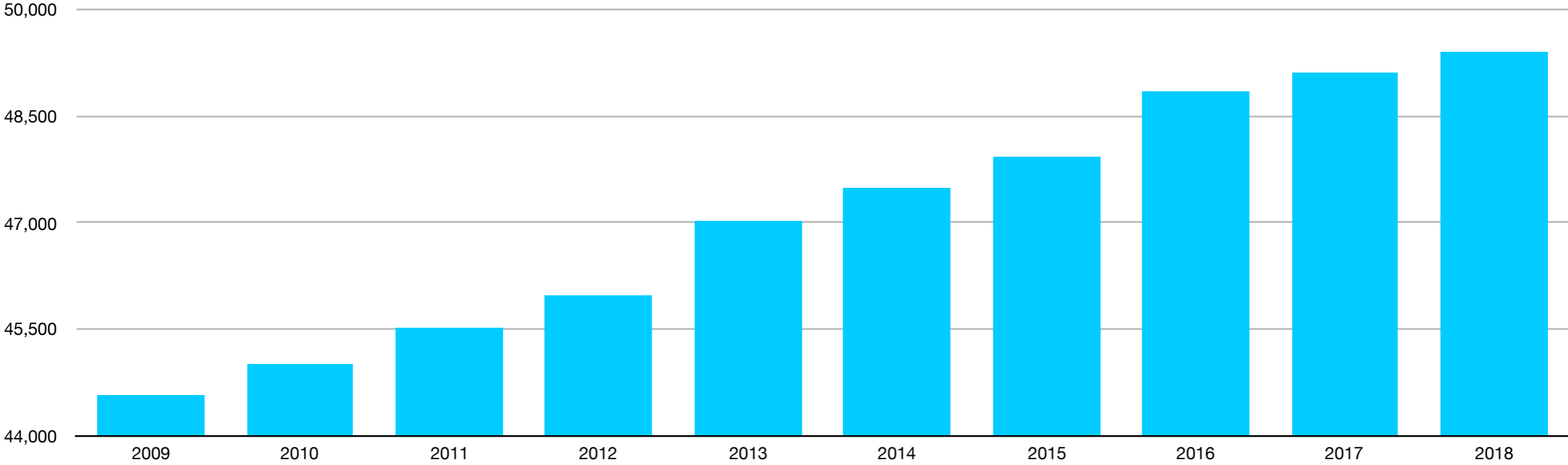
\$2,641,473
Accounting and
Collection

2018 Water Customers by Class



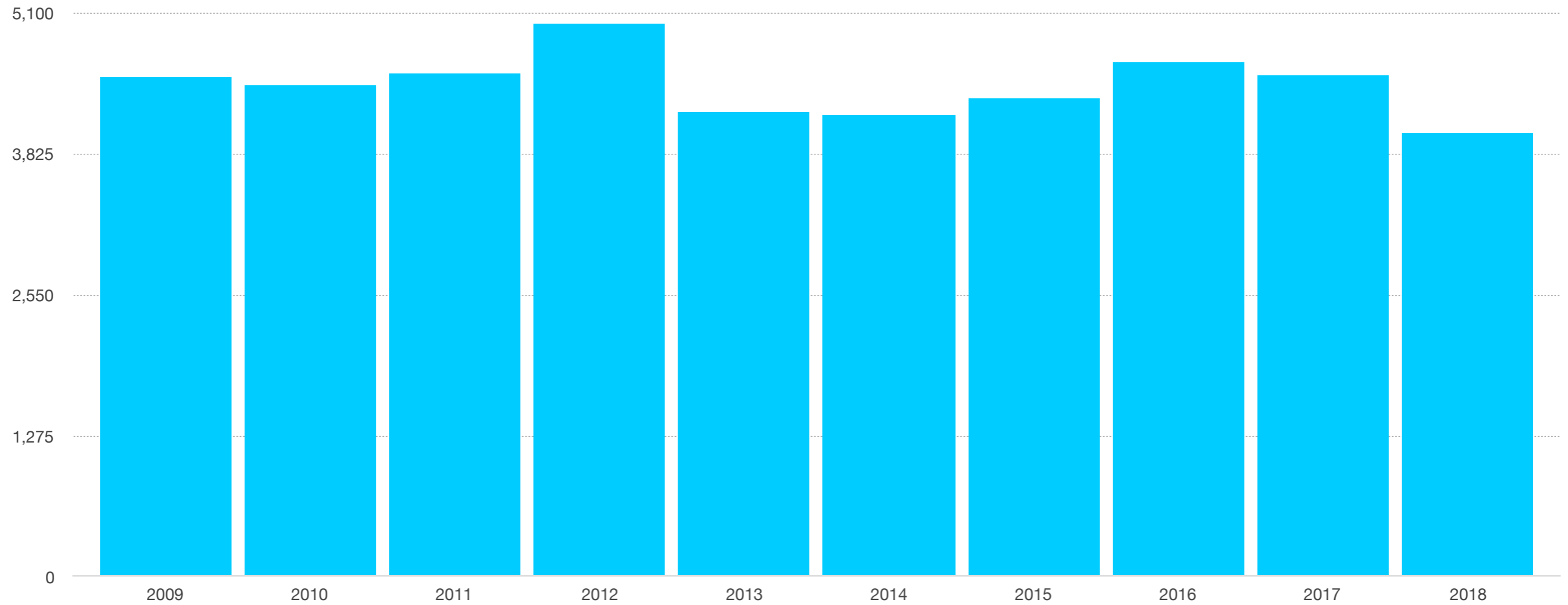
CUSTOMER CLASS	TOTAL CUSTOMERS	PERCENTAGE
Airport	13	0
Small Commercial	4,427	9
Large Commercial	26	0
Master Meter	947	2
Residential	44,963	89

Total Water Customers



YEAR	TOTAL CUSTOMERS
2009	44,567
2010	45,007
2011	45,505
2012	45,973
2013	47,033
2014	47,496
2015	47,920
2016	48,854
2017	49,114
2018	49,416

Total Annual Water Usage(Millions of Gallons)



YEAR	USAGE(MILLIONS OF GALLONS)	PRECIP(INCHES)
2009	4,531	50.47
2010	4,446	45.98
2011	4,556	40.74
2012	5,005	30.91
2013	4,211	41.33
2014	4,184	44.12
2015	4,330	48.40
2016	4,662	39.98
2017	4,546	36.88
2018	4,012	34.78

Electric Utility

Electric Utility Finances

Operating Revenue: \$134,635,875

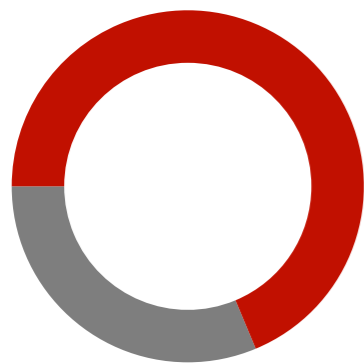


\$56,986,027
Residential Sales

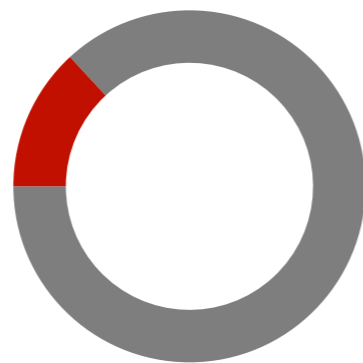


\$58,118,254
Commercial Sales

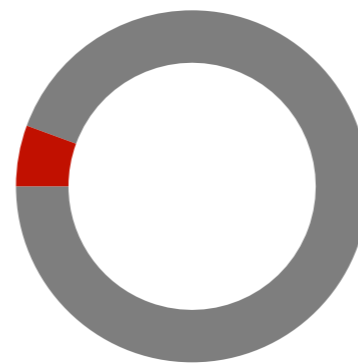
Operating Expenses: \$99,622,719



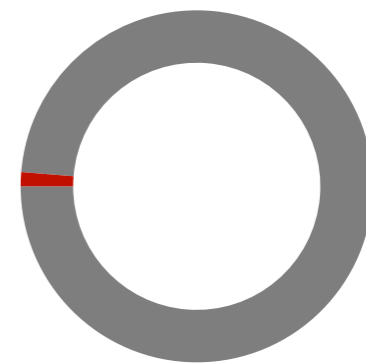
\$68,429,220
Purchased Power



\$13,088,625
Transmission and
Distribution

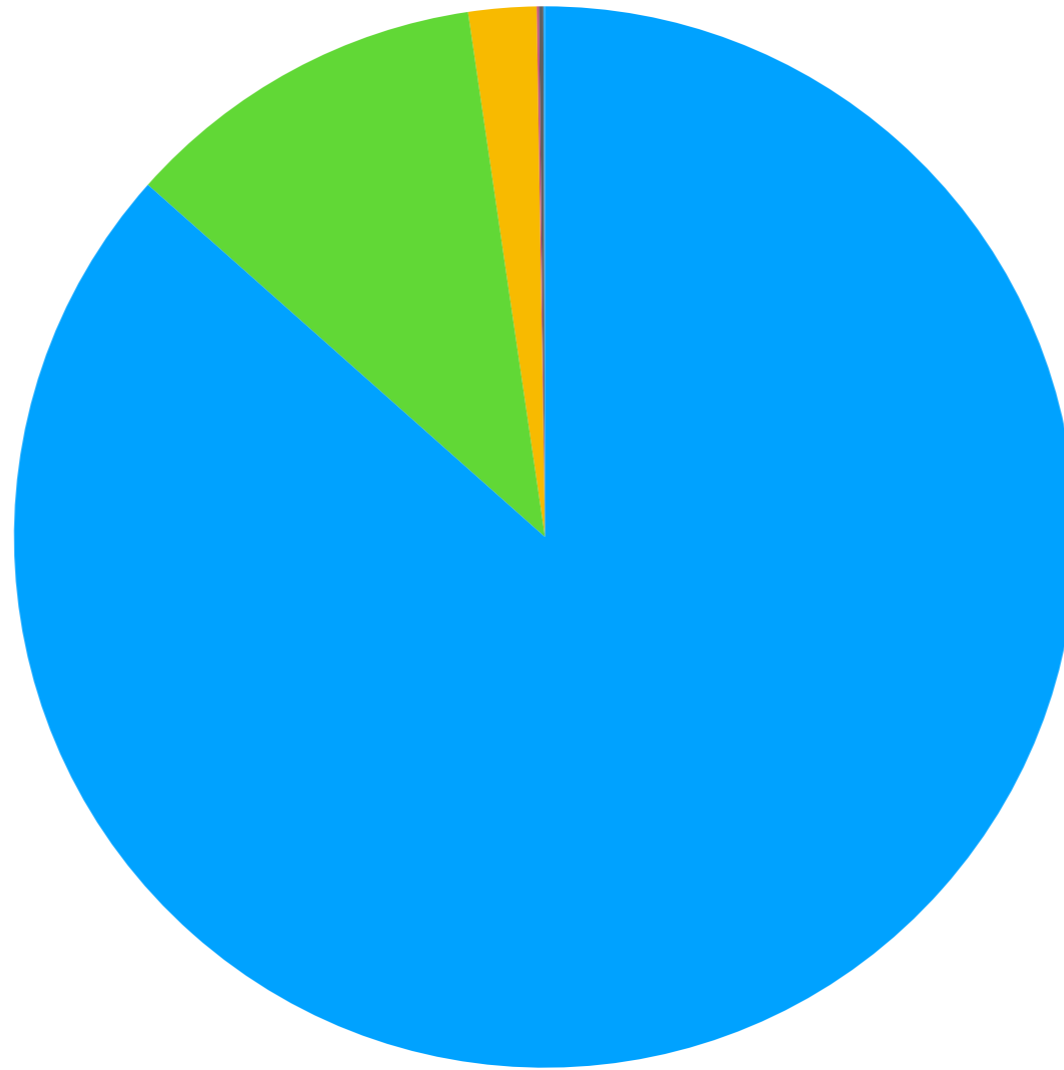


\$5,576,015
Accounting and
Collection



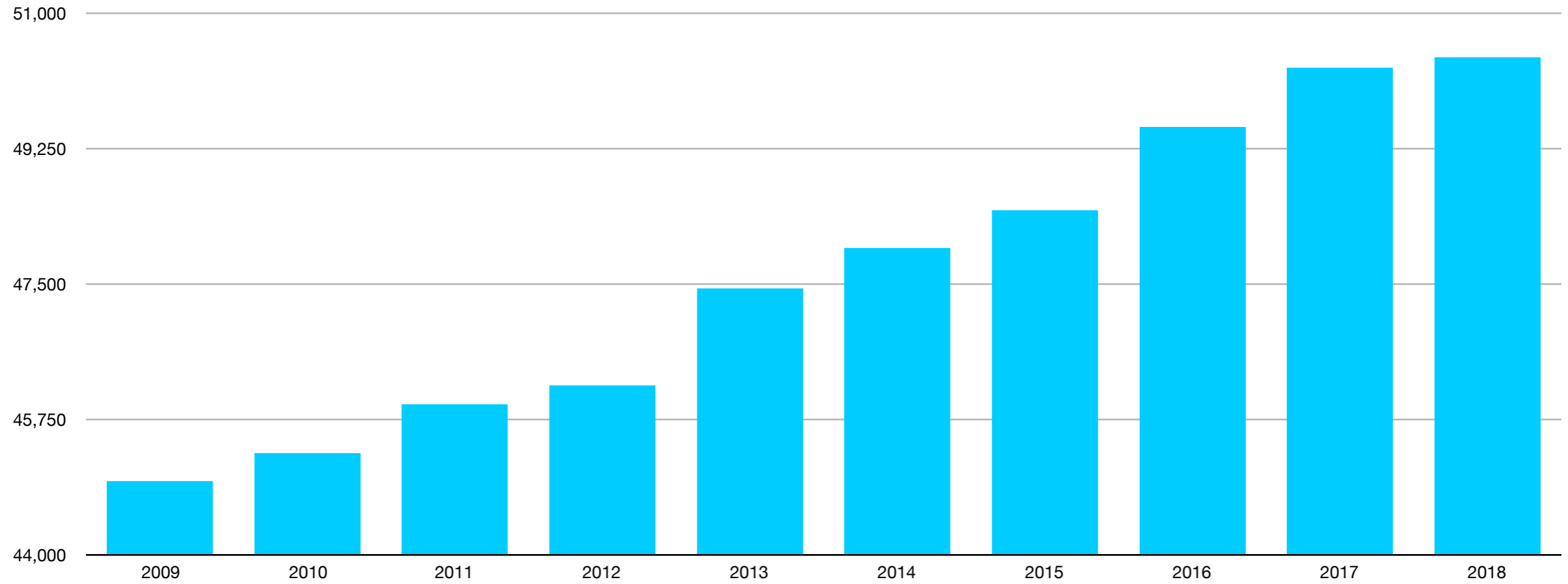
\$1,287,649
Energy Conservation

2018 Electric Customers By Class



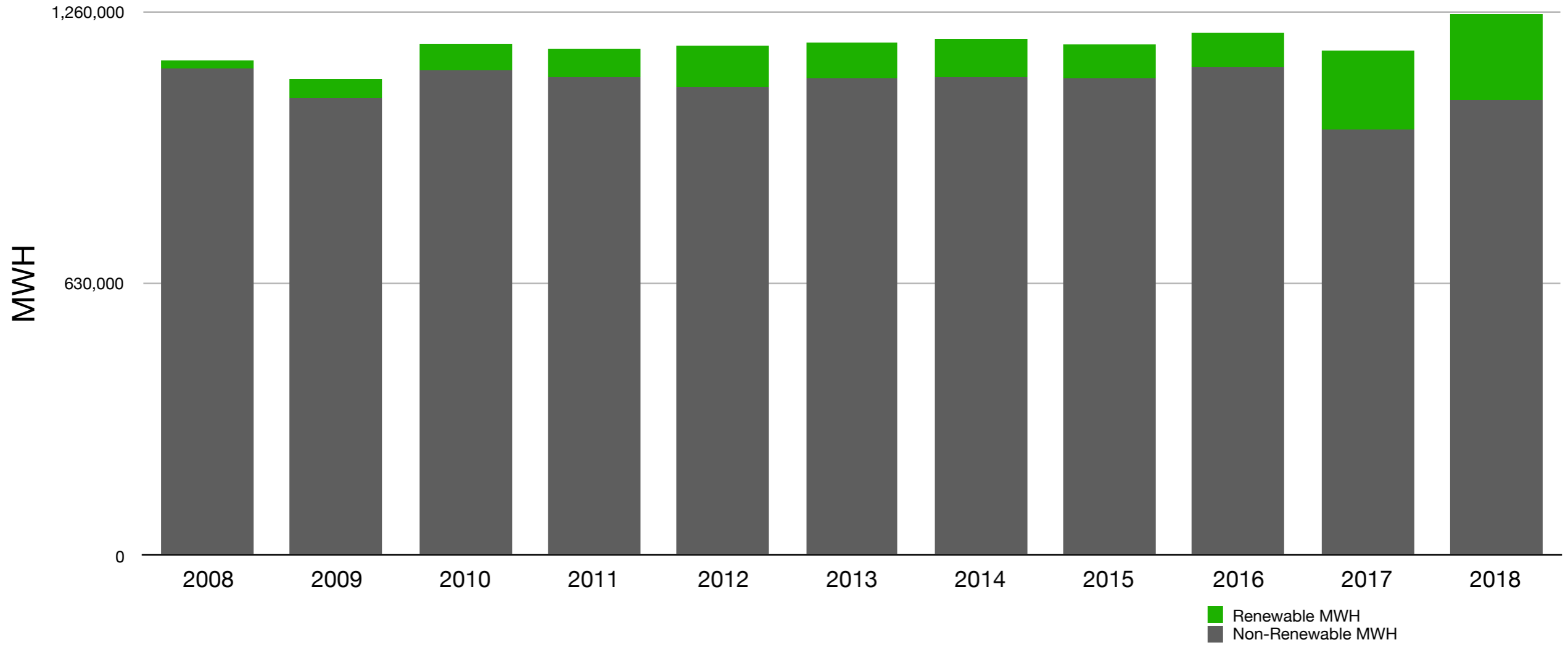
	CUSTOMER CLASS	TOTAL CUSTOMERS	PERCENTAGE
	Residential	43,583	87%
	Small Commercial	5,596	11%
	Large Commercial	1,039	2%
	Industrial	33	0.07%

Total Electric Customers 2018



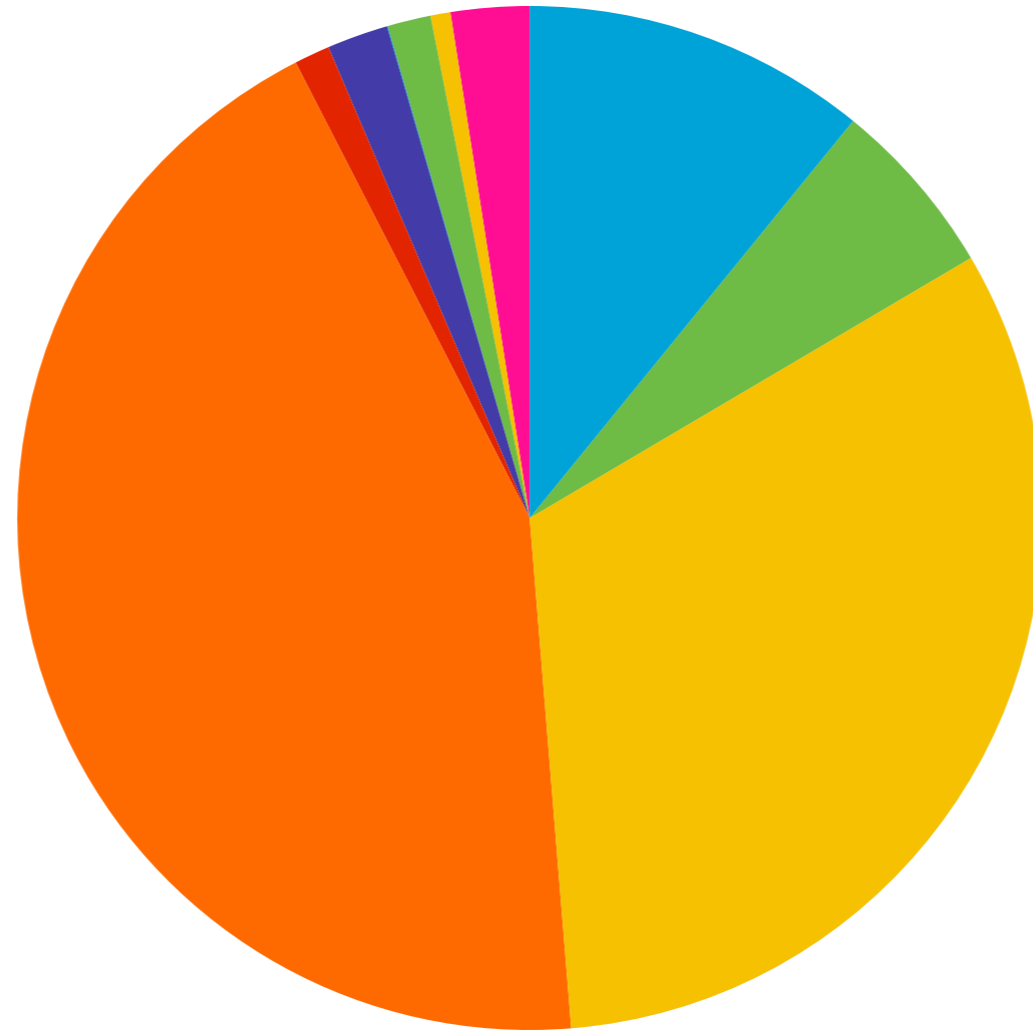
YEAR	TOTAL CUSTOMERS
2009	44,941
2010	45,319
2011	45,944
2012	46,188
2013	47,436
2014	47,944
2015	48,440
2016	49,518
2017	50,279
2018	50,415

Total Annual Electrical Usage 2018



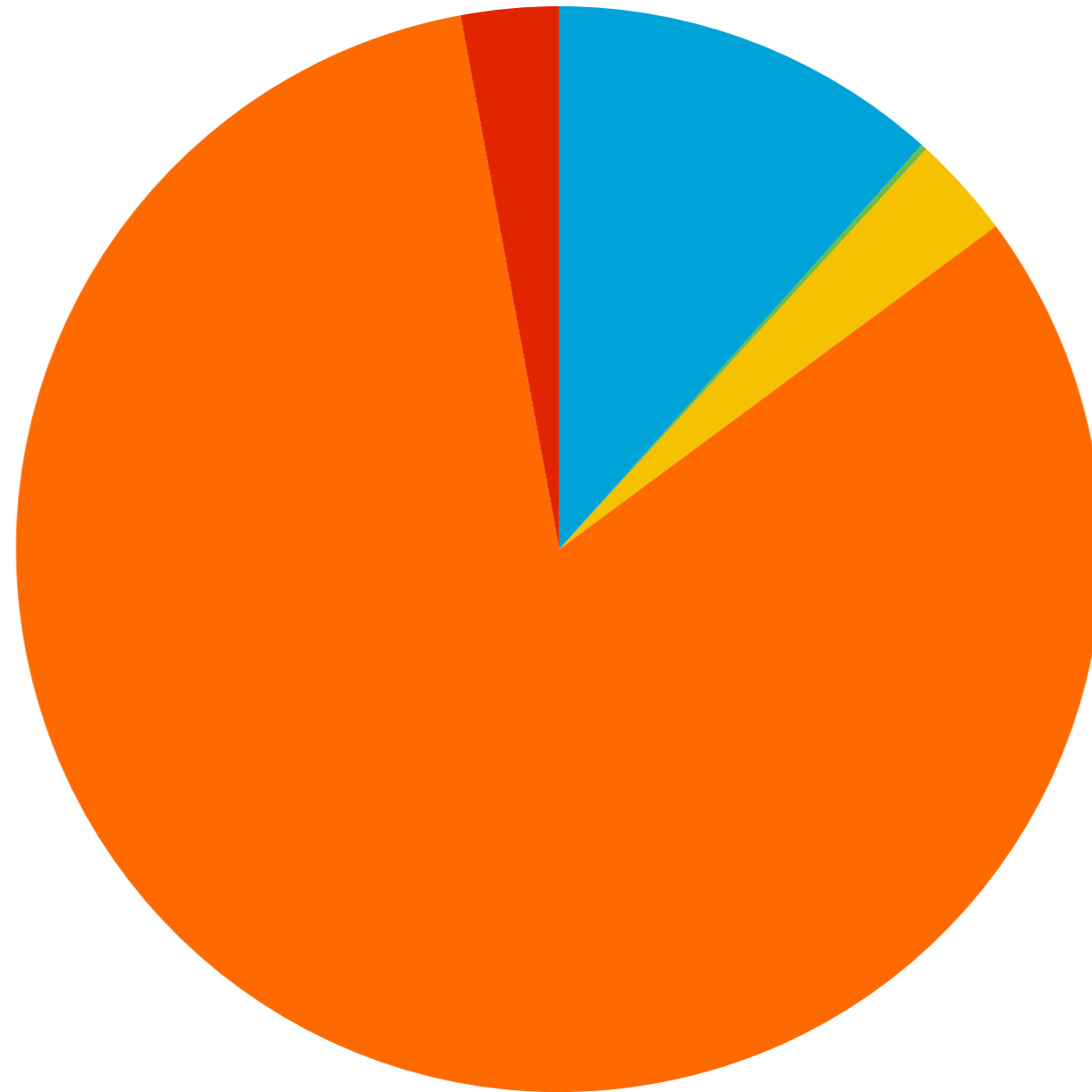
YEAR	MWH	RENEWABLE MWH	AVERAGE SUMMER TEMP (F)
2009	1,105,255	47,079	72.34
2010	1,185,352	59,541	76.31
2011	1,173,851	63,148	76.13
2012	1,180,154	93,746	77.29
2013	1,188,483	82,855	74.49
2014	1,196,752	86,405	73.43
2015	1,184,878	80,796	74.94
2016	1,213,138	80,998	76.59
2017	1,170,456	183,785	75.01
2018	1,253,276	196,361	79.13

Total Generation FY2018(MWH)



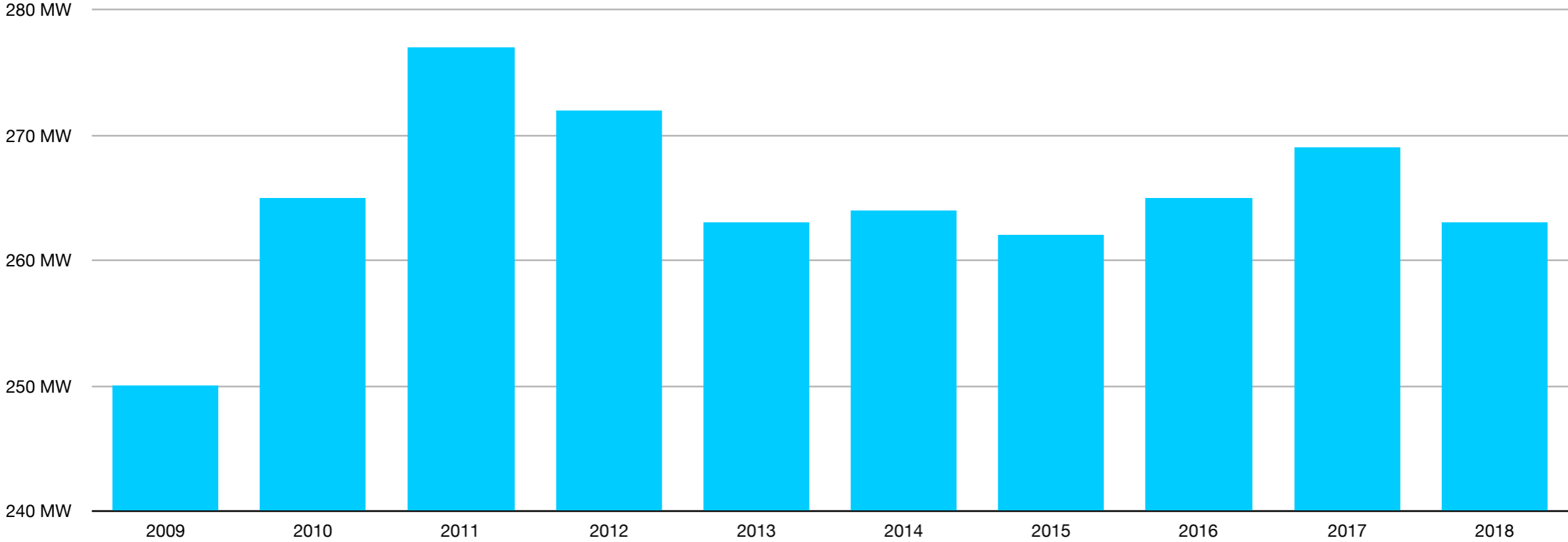
FACILITY	TYPE	MWH	PERCENTAGE
Crystal Lake III	Wind	126,781	10.91%
Iatan 2	Coal	63,954	5.50%
Prairie State	Coal	373,499	32.14%
Sikeston	Coal	509,969	43.88%
Bluegrass Wind	Wind	13,105	1.13%
Ameresco (Jeff. City Landfill)	Landfill Gas	22,545	1.94%
Free Power	Solar	295	0.03%
Columbia Landfill	Landfill Gas	15,897	1.37%
Columbia Energy Center	Natural Gas	7,346	0.63%
Municipal Power Plant	Natural Gas	28,846	2.48%

Generation By Type FY2018(MWH)



TYPE	NUM FACILITIES	MWH	PERCENTAGE
Wind	3	164,886	14%
Solar	1	2,185	0%
Landfill Gas	2	38,432	3%
Coal	3	951,047	80%
Natural Gas	2	36,194	3%

Peak Electrical Demand (MW)



YEAR	PEAK DEMAND(MW)	MAX TEMPERATURE (F)
2009	250	95
2010	265	97
2011	277	108
2012	272	107
2013	263	100
2014	264	98
2015	262	94
2016	265	99
2017	269	103
2018	263	100