

# WATTBLOCK ENERGY REPORT



**Sample Report**  
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Date: 21/09/2015 | Common Area Consumption: \$23,920 of

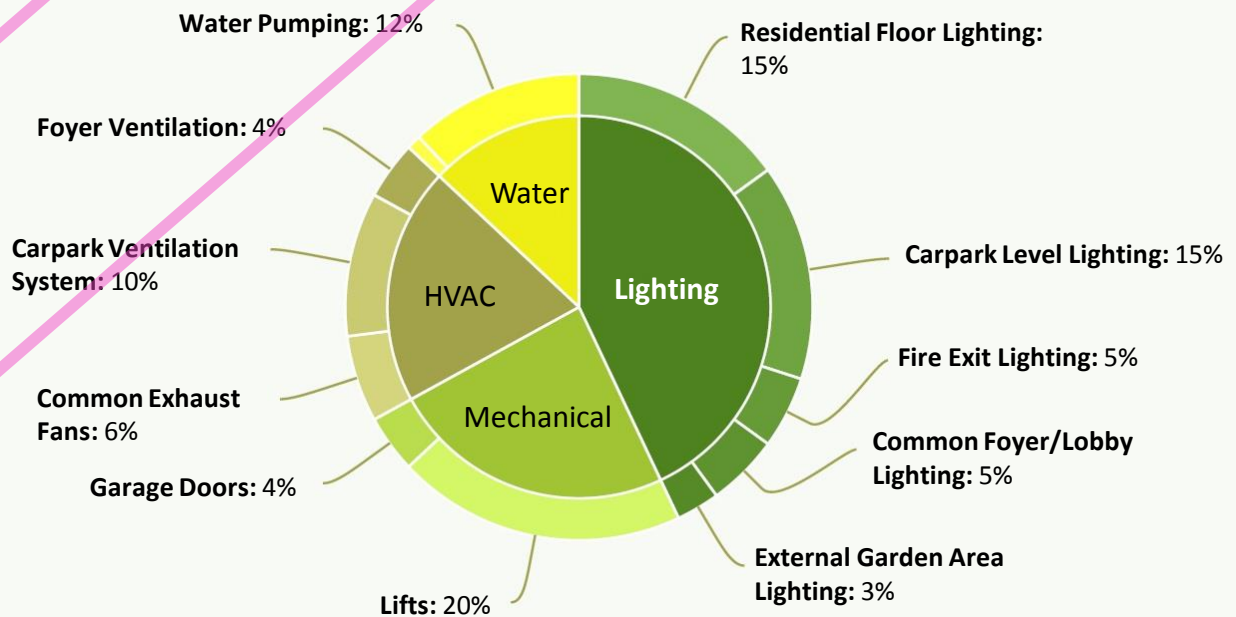
## ENERGY SAVINGS OPPORTUNITY

Wattblock recommends proceeding with energy reduction project for your block.

ESTIMATED ENERGY COST REDUCTION	ESTIMATED COST SAVINGS (PER ANNUM)	RECOMMENDED PROJECT COSTS	ESTIMATED PAYBACK PERIOD (YEARS)
38%	\$9,049	\$18,826	2.1

## COMMON AREA ENERGY CONSUMPTION

Understanding which assets are likely to be contributing to your block's energy consumption is the first step in building an energy reduction roadmap



## COMMON AREA ENERGY CONSUMPTION

	Est. Consumption	Est. Cost	Asset Type
Residential Floor Lighting	15%	\$3,662	Lighting
Carpark Level Lighting	15%	\$3,535	Lighting
Fire Exit Lighting	5%	\$1,107	Lighting
Common Foyer/Lobby Lighting	5%	\$1,223	Lighting
External Garden Area Lighting	3%	\$697	Lighting
Lifts	20%	\$4,774	Mechanical
Garage Doors	4%	\$918	Mechanical
Common Exhaust Fans	6%	\$1,452	HVAC
Carpark Ventilation System	10%	\$2,380	HVAC
Foyer Ventilation	4%	\$1,060	HVAC
Common Hot Water System	1%	\$184	Water
Water Pumping	12%	\$2,929	Water

## COMMON AREA ENERGY SAVINGS

The following is a typical energy consumption footprint for 3-5 Freeman Rd Chatswood, NSW and a Best-in-class block based upon similar blocks which have been analysed.



	Best Block	Your Block	Difference	
<b>Lighting</b>	\$2,446	\$10,224	\$7,778	✘
Mechanical	\$5,691	\$5,691	\$0	✔
<b>HVAC</b>	\$3,622	\$4,892	\$1,270	✘
Water	\$3,113	\$3,113	\$0	✔
Leisure	-	-	-	✔

## RECOMMENDED PROJECTS

The recommended projects for your block have been sorted based upon their typical payback time to assist you with prioritizing future projects:

### EST. PAYBACK: IMMEDIATE

Request strata manager to provide a paper or electron copy of electricity bill to the Owners Corporation on a quarterly basis

**Cost Estimate: \$0**

Sign up for your energy providers online portal

**Cost Estimate: \$0**

Delamp unnecessary foyer/lobby lights

**Cost Estimate: \$0**

Delamp unnecessary external garden lights

**Cost Estimate: \$0**

Delamp unnecessary lighting in carpark (e.g. twin tubes)

**Cost Estimate: \$0**

### EST. PAYBACK: <1 YEAR

Put outdoor light on timer or light sensor

**Cost Estimate: \$200**

Upgrade residential floor light with LED

**Cost Estimate: \$455**

Install timer so that exhaust fans only run for a limited time each day

**Cost Estimate: \$200**

Install timer so that hot water isn't being circulated 24x7 (e.g. 18 hrs per day)

**Cost Estimate: \$200**

### EST. PAYBACK: <18 MONTHS

LED lighting upgrade in carpark including dimmable LED tubes over car spaces

**Cost Estimate: \$10,800**

LED lighting upgrade in fire exist with dimmable LED tubes

**Cost Estimate: \$3,951**

### EST. PAYBACK: <2 YEARS

Replace foyer ventilation system with a multi-speed motor and set to lower speed

**Cost Estimate: \$820**

Install a smart meter to move to a peak/off peak/shoulder rate

**Cost Estimate: \$1,000**

## OPTIONAL PROJECTS

The following projects are worthwhile investigating for your block from a feasibility perspective. They have not been included in recommended projects due to their cost and estimate payback time.

### EST. PAYBACK: 14 YEARS

Install solar energy for common areas

**Cost Estimate: \$60,000**

## ENVIRONMENTAL CONSIDERATIONS

The rationale for proceeding with energy cost reduction projects outlined above makes sense from an economic perspective. The following gives some insight into the environmental impact for a typical block similar to your block:

PROPORTION OF POPULATION LIVING IN THIS BLOCK TYPE	AVERAGE OCCUPANCY RATE (PEOPLE / UNIT)	ANNUAL ENERGY (ELECTRICITY + GAS) PER UNIT MJ / YR	ANNUAL GHG EMISSIONS PER UNIT TONNES CO2/UNIT YR
3.8%	1.92	30,594	7.3
ANNUAL GHG EMISSIONS PER PERSON TONNES CO2/PERSON YR	NUMBER OF BLOCK RESIDENTS	BLOCK CO2 EMISSIONS (TONNES/YR)	
3.8	77	292	

SAMPLE

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