

RCBC Plaza,
Leading you
to a
Greener
Environment



Water
Conservation

LEED EB:OM

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WHERE IS RCBC PLAZA IN TERMS OF WATER CONSERVATION?

- Replacement of 52 flush kits (3.5gpf to 1.6gpf) completed June 2016.
- RCBC Plaza has a total of 146 conventional water closets that has a rating of 3.5gpf
- RCBC Plaza is already at 35.62% completed in replacing flush kits that has rating of 3.5gpf



RCBC Plaza Water Consumption	
2016	Consumption (m3)
May	34,808.00
June	32,376.00

- RCBC Plaza started its water conservation measures since June 2016 and already saved around 7% from month to month comparison

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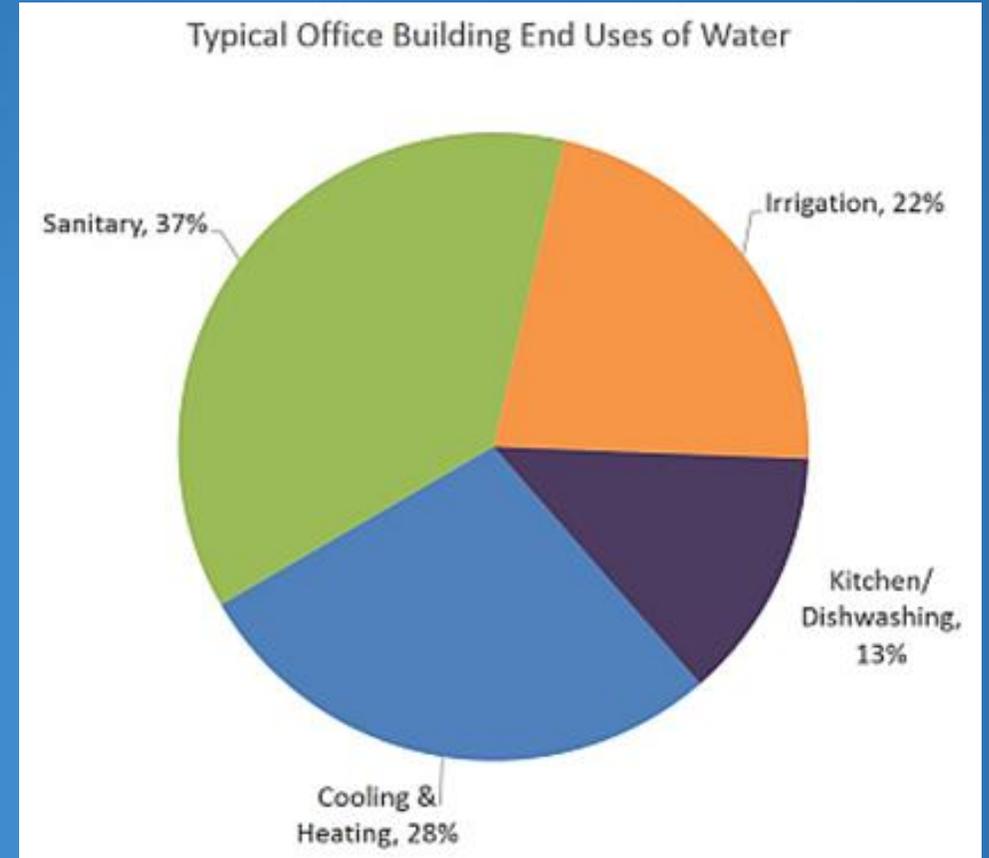
Estimated Savings:

34,808 cubic meters
- 32,376 cubic meters
2,432 cubic meters

37% of 2,432 = **899.84 cubic meters of water is used in toilets**

35.62% of 899.84 = **320.52 cubic meters of water is the estimated savings in replacing 52 out of 146 flush kits**

- Based on the typical office building water consumption, RCBC Plaza already saved an estimated of 320.52 cubic meters of fresh water on a single water conservation measure / project (replacement of flush kits of water closets) per month



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TENANT REQUIRED CONTRIBUTIONS FOR WATER CONSERVATION PROGRAMS IN COMPLIANCE WITH LEED EB:OM CERTIFICATION

For Sanitary

- Replacement / Upgrade of existing toilet flush kits with rating of 3.5gpf to 1.6gpf of executive or non-common toilets
- Replacement of non-efficient lavatory fixtures of executive or non-common toilets
- Monitoring and immediate rectification of plumbing leaks to avoid unnecessary fresh water spillage
- Engagement with a bio-augmentation program of sanitary lines for wet pantry and non-common toilets.

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BIO-AUGMENTATION PROGRAM

This is the cultivation of enzyme or good bacteria on sanitary lines, grease traps (if any) to eliminate any contamination caused by waste water that will eventually cause clogging in sanitary pipeline system. **The enzyme is food grade and not harmful to environment. Bio-augmentation water conservation benefits are;**

1. This will greatly minimize the general cleaning frequency of grease traps using clean water
2. This will definitely lessen clean water usage because manual de-clogging using clean water frequency is going to be reduced by more than 50%
3. Reducing sludge volume saves dewatering costs and the final, off site disposal charges

Estimated costs per month

- ☞ Php 2,500.00 per wet pantry without grease trap or toilet
- ☞ Php 2,500.00 per unit of grease trap in wet pantry / kitchen

