

**ENERGY MANAGEMENT**

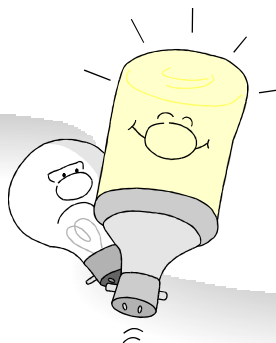
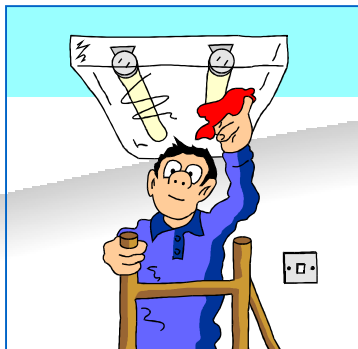
**LIGHTING AWARENESS**

# LIGHTING

## No Cost

### Turn Off The Lights When Not In The Room - 15 - 60% Saving

1. Identify Where The Light Switches Are - Label Switches
2. Does A Single Switch Control Too Many Lights ?
3. Detail Times When Certain Lights May be Switched On ( Cleaning / Safety ).
4. Review The Level Of Lighting In Rooms or Corridors.
5. Make Use Of Natural Light Where Feasible.
6. Insure Light Fittings & Diffusers Are Clean.
7. Remove Bulbs or Tubes In Over Lit Areas or Areas that Don't Need Light.
8. When Replacing Bulbs Use Energy Efficient Lights - 11w = 60w
9. Energy Efficient Bulbs give 75% saving & 8x longer life
10. Switch OFF Lights When Going Home Or Not In Use...



Row 1-c

Maintenance Night Lite

If Not Required  
SWITCH OFF

Save Energy  
Save Money

Reduce Global  
Pollution

Energy Save Signs, mpiling 010606 Iss 1

17 75 24 7 52 0.08

Cost to run these lights - per year **£835**

**SWITCH THIS LIGHT "OFF" AT NIGHT**

Save Energy  
Save Money

Reduce Global  
Pollution

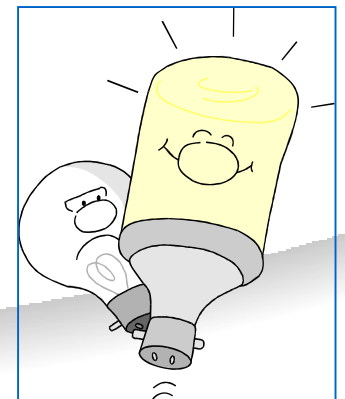
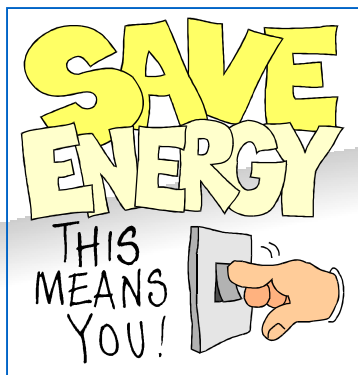
	50	200	7	5	50	4.0	
May-06	50	200	17	5	50	5.6	£ 3080.00
Jun-06	50	200	10	5	50	5.6	£ 1400.00
saving per year:							£ 1680.00
SAVING							55%
Lighting Cost per Hour							£ 0.56

Produced By M Piling 24.05.06

# LIGHTING

## Low Cost

1. When Replacing Tubes Use "Slim line" - 8% Saving
2. GU10 Spots etc. Use more electricity & 20x less life.
3. Use "Timed Pop-out" Switches - In Storage Cupboards
4. Use Occupancy Sensors in areas not fully occupied
5. Use Occupancy Sensors in areas such as toilets.
6. Exterior Lighting should be limited to hours of darkness
7. Exterior Lighting - Use 100w instead of 150W & ( 300w instead of 500w ).
8. Use of "Pull cord" Switches to control local lighting.
9. Use of "Multi Switches", instead of One Switch for 20 Lights
10. Install "Key Tag" Switches in remote areas.
11. Use Photocells to Switch Off When Natural Light Is Adequate.
12. Use Photocells on Exterior Installations.



# LIGHTING

## More Ideas

1. Energy Awareness of Personnel will reduce Energy Waste at Work
2. Energy Awareness of Personnel will reduce Energy Waste at Home as well.

Bulb	Volts	Watts	365 Days		12 Hr / Day		4380 Hrs / Yr		Total
			Hours	Qty	Cost	Run Cost	Running	Renew	
Regular Bulb	240	100	1000	1	0.25	0.06	26.28	1.10	<b>27.38</b>
Spot GU10	240	50	2500	6	1.95	0.06	78.84	3.42	<b>82.26</b>
Spot GU10	240	35	2500	6	1.95	0.06	55.19	3.42	<b>58.60</b>
Halopin	240	40	2000	6	3.6	0.06	63.07	7.88	<b>70.96</b>
Energy	240	20	15000	1	2.20	0.06	5.26	0.64	<b>5.90</b>
Led	240	3	30000	10	7.75	0.06	7.88	1.13	<b>9.02</b>

Google :- government energy saving

Web Sites :-

[www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk)

