COMMUNITY TOOLKIT

KEEPING YOUR DRINKING WATER SAFE CONDUCTING A WATER AUDIT



Tool for Conducting a Water Audit

The Tool for Conducting a Water Audit is part of the Keeping Your Drinking Water Safe Community Toolbit developed by Line 8. Learn Environmental Education. The toolbit is designed to be used by Community Trainiers, Health Officers, Community Yorkness, and Flocklatines, to raise awareness about the need to keep water clean and promote responsible attitudes, behaviour and actions to ensure safe and lasting diriking water supplies.

Live & Learn Environmental Education is thankful to those who have contributed to the development

- The Australian Agency for International Development (AusAID), for funding the 2-year Pacific Drinking Water Safety Plan Programme, which provided financial support for production of this valuable resource.
 - The World Health Organization (WHO) and the Pacific Islands Applied Geoscience Commission (SOPAC) for support, guidance and advice during the development of the toolkit.
- Commission (GOPPA) for support, guidance and advice during the development of the foliation. The Institute of Applied Science University of the South Pacific, for reviewing the scientific and technical information presented in this society.

 The Commission of Commission of Commission and people of CEI Manuals (Cook Manuals).
- Trongs, Palau, Samoa, who provided valuable lessons learned.

 The Water & Sewerage Department, Curriculum Development Unit, National Water Quality Monitoring Laboratory and Ministry of Health, Fig. Health Pacific Health Pacific Commission of the Peoples of the South Pacific.
 - International (FSPI) and affiliates.
- The Keeping Your Drinking Water Safe Community Toolkit contains:
 - An Introductory Guide containing background information and annexes Tool for Conducting a Water Audit Tool for Conducting Sentine Surgery

:

.

.

- Tool on Snapshots to Monitoring Water Sources
 Tool on Snapshots to Monitoring Water Sources
 Tool For Water Qualify Monitoring Using The Hydrogen-Sulphide (H-S) Paper-Strip Test
 - Tool on Water Awareness and Education
 Tool for Water Management Actions

Comic and Paper-strip test Instruction Flipchart

This document is an output of a regional programme funded by AusAID, for effective management of drinking water supplies in Pacific Island Countries. The views expressed are not necessarily that of AusAID, World Health Organization and/or the Pacific Islands Applied Geoscience Commission.

.....

Bustrations and Graphics by John Robinson

Design and Layout by Live & Learn Environmental Education

Developed by: Live & Learn Ervironmental Education 87 Gordon Street, Suva Private Mail Bag, Suva, FUI Pr: +679 331 5968; Fax: +679 330 5968



most of the meldowner meladate the effectiveness recover many token from other meldowners many be control associated as address to a different body meldowners.

CONDUCTING A WATER AUDIT

| Conducting a Water | er Audit | |
|--|--|--|
| Tips to Conducting | a Water Audit | |
| Water Audit Surve | y Sheet | |
| Section 1: | General Questions | |
| Section 2: | Water Testing | |
| Section 3: | Rainwater Tanks | |
| Section 4: | Well Hygiene | |
| Section 5: | Piped Water | |
| Section 6: | RiverCare | |
| Section 7: | Sanitary/Home Hygiene | |
| Section 8: | Water Conservation | |
| | | |
| Section 9: | Community Water Services | |
| Section 9: cool: Environme Conducting an Env | ntal Audit | |
| cool: Environme | ntal Audit | |
| Conducting an En | ntal Audit | |
| Conducting an Environmental Aus | ntal Audit vroomental Audit aring for an Environmental Audit | |
| Conducting an Environmental Aus Action 1: | ntal Audit vincemental Audit aring for an Environmental Audit 31 Autonos. | |

CONDUCTING A WATER AUDIT

Knowing More About Your Water

Water quality is as important as water supply. Water quality is affected by rainwater drain. Chemicals, oils, fats, paints, litter and fertilizers, all have the potential to pollute our waterways. By taking a moment to dispose of these substances safely, we can protect our waterways and the plants, animals and humans that despend on them.

A water audit is simply a series of questions and observations that are made to find out more about water, how it is used, and whether it is at risk of being contaminated. The main reason to do a water audit is to get a better understanding about water in order to carry out the right measures to make ware at is later face and peaker. This unit seaks to find out the following.

- How is water being used?
- What are the sources of water (where does the water come from?)
- Is the water at risk of being contaminated by disease causing germs?
 What activities are putting the water at risk of contamination?
- How is water being wasted, and how can more be saved?

The audit will allow you and the household to discover the answers to these questions. Then, with this new knowledge, households and communities can create an action plan to address the findings of the audit and to promote proper sanitation, hygiene, and health in their communities.

Mathod

- Draw a map of the community environment.
- On this map mark areas where water is being used, for example you can mark areas such
 as taps, drains, gardens, water tanks etc. This map follows the movement of water i.e. drains,
 or absorbed into the soil etc.
- Copy the Water Audit Survey Sheet to be used by the auditors to conduct the water audit with each household in the community.

Refore you start

- Make sure that you introduce yourself properly if you don't know the people you are a marine to be make their comfedeble and build some respect
- hefore starting Clearly state the purpose of the survey and give a brief overview. Allow the
- people to ask questions Explain that your conversation will be confidential
- Tall the neonle how long the survey will take, and make sure that it is a
- convenient time

Conducting the Audit

- Bening with some friends, consent convention to help the county feet at account Ask the questions in order and try to keep the conversation to the topic of the
- Re cautious about asking "why" because it can make people feel like you are passing judgment on them
 - Reware of asking the questions in a way that could influence the householder's answers. For example, never ask 'Don't you think that. "?
- This is called a leading question Be sure that you have clearly understood the answer. If not lask the nerson
- to reneat the answer. Always ask the householder to evolain words and ideas that you do not fully understand. Do not assume that you know what the Avoid passing judgment, giving advice or your own opinion
- Avoid discussions that are not useful. Keep to the topic of the survey

Closing the Audit

- Ask the householders if there are any questions they would like to ask you Discuss the next stens

 - Thank the participants for their time and trouble.

| CONDUCTING A WATER AUDIT |
|----------------------------------|
| WATER AUDIT SURVEY SHEET TO COPY |
| Community |
| Date of Visit: Time of Visit: |
| Name of Household: |
| Name of Auditor: |
| Section 1: General Questions |
| 1. How long have you lived here? |

How many people live in this home?

| Water Source (Where do you get your water from?) | What do you use it for? | Does it ever run out? (Explain) | Do you think it is safe to drink? (Explain) |
|--|-------------------------|---------------------------------------|---|
| Water Tank | | | |
| Well | | | |
| River | | | |
| Others (Please state) | | | |

Do you ever boil your drinking water? Yes No Wey?
Why? (If someone told you to boil water, please identify/state the name of the person and where they work?)

| How often do people in your house get sick with: | Often | Occassionally | Never |
|---|-------|---------------|-------|
| Diamhoea | | | |
| Vorniting | | | |
| A disease that you think is linked to water (please explain | | | |



| the control of the control of the control | |
|--|------------------------------|
| Why do you think they get sick? | |
| | |
| | |
| What do you think you could do to reduce the | |
| | |
| | |
| eneral Comments: | |
| | |
| | |
| ection 2: Water Testing | |
| Has your drinking water ever been tested? | Yes No |
| | |
| your answer is 'yes,' Questions 2-5; if you answ | ered no, move to Question 6. |
| How was it tested? (By whom?) | |
| | |
| | |
| How often was your water tested? | |
| | |
| Were the results Good or Bad? | |
| | |
| If your results were bad, what steps/actions did | d you take? |
| n you results here eas, mail supercontine on | |
| | |
| Do you think Water Testing is important? Why? | 7 |
| | |
| | |
| | |
| eneral comments on Water Testing: | |
| | |
| | |
| | |
| ection 3: Rainwater Tanks | |
| What kind of Rainwater Tank do you have? | (please tick) |
| Aluminum Cement | Fibre Glass |
| | |

| D | o you ever treat or clean the water | in your rainwa | eter tank? Yes | No 🗌 |
|----------------------------------|---|----------------|---|--------------|
| н | ow is the tank cleaned or treated? | Who cleans it | 12 | |
| | | | | |
| | | | | |
| | Condition of Gutters (if present) | Please tick | How often are the gutters cleaned? | Please tick |
| | Very good – very few leaves, no dirt or evidence of animals | | Often (every 1 – 2 months) | |
| | Good - few leaves, little dirt or evidence of animals | | Occasionally (twice a year) | |
| | Poor – many leaves, some dirt and/or evidence of animals | | Rarely (once a year or less) | |
| | | | Never | _ |
| . A | to birds or other animals have accer te there trees over hanging the cat | chments (e.g. | roof) of the water tank? | No D |
| . As | re there trees over hanging the cat there an intake screen on the tank u ticked 'yes', how often is it cleans | chments (e.g. | roof) of the water tank? | |
| . As | re there trees over hanging the cat | chments (e.g. | roof) of the water tank? Yes | Yes |
| . As f you | re there trees over hanging the cat there an intake screen on the tank a ticked 'yes', how often is it cleans there any uncovered opening on the | chments (e.g. | roof) of the water tank? Yes | Yes No 🗌 |
| . As f you i. Is | re there trees over hanging the cat there an intake screen on the tank a ticked 'yes', how often is it cleans | chments (e.g. | roof) of the water tank? Yes unk? Yes Yes | Yes No |
| . As f you i. Is | re there trees over hanging the cat there an intake screen on the tania a ticked 'yes', how often is it cleans there any uncovered opening on the aral comments on Rainwater Tanks | chments (e.g. | roof) of the water tank? Yes unk? Yes Yes | Yes No |
| . As f you i. Is Dene | re there trees over hanging the cat it there an intake screen on the tanks a ticked 'yes', how often is it cleanes there any uncovered opening on the there any uncovered opening on the real comments on Reinwater Tanks | chments (e.g. | roof) of the water tank? Yes unk? Yes Yes | Yes No |
| . As f you i. Is Dene | re there trees over hanging the cat there an intake screen on the tania a ticked 'yes', how often is it cleans there any uncovered opening on the aral comments on Rainwater Tanks | chments (e.g. | roof) of the water tank? Yes unk? Yes Yes | Yes No |
| 7. Ar 3. Is f you 9. Is | re there trees over hanging the cat it there an intake screen on the tanks a ticked 'yes', how often is it cleanes there any uncovered opening on the there any uncovered opening on the real comments on Reinwater Tanks | chments (e.g. | roof) of the water tank? Yes unk? Yes Yes | Yes No |
| 7. Ar 3. Is f you 9. Is | re there trees over hanging the cat it there an intake screen on the tank a ticked 'yes', how often is it cleans there any uncovered opening on the treal comments on Reinwater Tanks ion 4: Well Hygiene | chments (e.g. | roof) of the water tank? Yes unk? Yes Yes | Yes No No No |

| | 100 |
|---|--|
| | No |
| | |
| | |
| | |
| | |
| Approximate distance from well (meters) | Are these 'uphili,' 'downhill' or on 'flat ground' |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| II, that is, the plant cover | how close are the |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | - |
| ? Yes 🗌 | No 🗌 |
| | |
| | from well (mothers) |

2. Do animals have access to the well?

| CONDUCTING A WATER AUDIT | |
|--|--|
| | |
| 2. Is the area around the tap stand fenced | |

| | e describe the area | | |
|-----------------------|--|--|--|
| | | | |
| | | | |
| | es water accumulate near the tap stand | Yes | No |
| | answered 'yes', please describe the area | | |
| | | | |
| i. | What types of toilets are 'nearby' in the community (include neighboring properties) | Approximate distance from tap stand (meters) | Are these 'uphill,' 'downhill' or on 'flat ground' |
| | | | |
| | VIP Toilet Septic tank | | _ |
| | Area where people defecate (e.g. in the bush or river) | | |
| | Other (please explain): | | |
| | | | |
| | sase describe condition of the taps: | | |
| | | | |
| | | | |
| 3ene | | | |
| Sene Secti | ral comments on Piped Water: | | |
| Section 1. Ho | ral comments on Piped Water: | | |
| Section . Ho | ral comments on Piped Water: on 6: RiverCare w far is the house to the nearest creek or riv | 07 | e than one answer) |
| Gene Section 1. Ho | ral comments on Piped Water: on 6: RiverCare or far a the house to the nearest creek or riv w is the river used by people in the househo | 07 | b than one answer) |

| | Excellent | 4 | Almost all native plants (no introduced weeds or garden almost all of the ground is covered by plants; good mix or trees, shrubs and smaller plants; no signs of disturbence access to arimate plants; good cover of plants, good mix of shrubs and smaller plants; good cover of plants, good mix of t shrubs and smaller plants; no signs of recent disturbanc little or restricted access of arimate. | | | | d mix of irbance; no |
|-------|----------------------|---------------|--|------------|-----------------------------|----------------|-------------------------|
| | Good | 3 | | | | | urbance; |
| | Fair | 2 | Mixture of native cover of plants (s than 5 m); evider restricted access | ome span | ces); narro ent site dis | w corridor of | plants (less |
| | Poor | 1 | Mostly introduces gardens; little co- ground, extensive animals | ver by not | Eve shrubs | or trees; lots | s of bare |
| Rati | ng Scale: | | | | | | |
| Left | bank (facing down | nstream) – ci | rde a number: | 1 | 2 | 3 | 4 |
| Right | nt bank (facing do | enstream) – i | circle a number: | 1 | 2 | 3 | 4 |
| | | | | | | | |
| | | | ce of any drains n | | | | |
| | | | | | | | |
| | | | | | | | |
| 6. V | Where does your r | ubbish (solid | waste) go? (You n | nay tick n | more than | one answe | r) |
| Corr | munity landfill site | | tole near the hous | • П | Bus | ь П | River |
| Oce | | urned [| Other | | describe | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

If the house is close to a river, rate the condition of the riverbanks:

 Condition
 Retire
 Prescription

| soap: | No 🔲 |
|-------|------|
| :7): | No 🗌 |
| | |
| | |
| | |
| | |



WATER AUDIT SURVEY SHEET

- What things do you do to serve water?

 Are you aware of any leaks (in your houser community), and if so, where are they?

 Comment on the condition of tags (are they dispring or leaking?)

 Comment on the condition of tags (are they dispring or leaking or running?)
 - If you report these leaks, who do you report them to?
- 7. Who is responsible for fixing leaks in your community / house?
- 8. Who pays for plumbing repairs?
- Do you water plants or bath animals? (If so, how often do you water plants or bath animals?)

Comments on Water Conservation:

- Section 9: Community Water Services

 1. Who do you think is responsible for providing drinking water in your community?
 - Who do you think is responsible for protecting the quality of water?

CONDUCTING A WATER AUDIT

| 3. | Do you have | a water committee in | your community? |
|-------|-------------------|-------------------------|--------------------------------|
| | Yes | No 🗌 | Not Sure |
| If yo | s, please descri | be the activities of th | e water committee |
| | | | |
| | | | |
| | | | |
| 4. | Does the com | mittee carry out wat | er testing on a regular basis? |
| | Yes | No 🗌 | Not Sure |
| | you involved? | | |
| | | | |
| | | | |
| | | | |
| Gen | eral comments | on Community Water | Services |
| | | | |
| | | | |
| | | | |
| Ove | rall and Additio | nal Comments: | |
| | | | |
| | | | |
| | | | |
| | | | |
| Sign | nature of Househ | older | |
| Sign | nature of Auditor | | |
| | | | |
| | | | |



Conducting an Environmental Audit

The state of our water resources is linked to many other environmental, economic and social issues, such as poor water disposal and titering offensistation and societies. It is important to review how communities use and manage other environmental resources. In order to assess how these actions affects to community water issues. This review can be done through conducting an environmental audit.

An environmental audit is the process of

- Assessing our actions and attitudes towards the environment.
- Monitoring and measuring the use of resources.

An environmental audit provides baseline data against which improvements in environmental management can be measured. An audit provides us with the first step to investigate solutions to environmental problems such as water pollution, waste and energy conservation. Problems and issues can be identified drough an audit, which can then begin the problem solving process.

What Outcomes Can Be Expected?

An environmental audit is valuable for the community as a visil assist members to identify problems in the community environment and more specially help identify records used it provises the first step for individuals to investigate excluding to environmental problems such as vasil, water and energy concernation. More importantly, an Environmental Audit can encourage in an example, members to have a special to the provision of the example of the exampl

- Identify resources used in their daily routine
- Record and interpret data about the use of these resources.
 - Become more responsible in their use of these resources.
 - Use teamwork to conserve these resources.
- Write, implement and evaluate a plan to use resources wisely.

00

Planning and Preparing for an Environmental Audit

Establish groups to carry out environmental activities, by following the example structure shown below. Once groups are established, some planning and preparation must be done, for example:

- Identify desired goals and outcomes for the audit and management plan (e.g. to increase awareness, to change attitudes, to elemente vesals, to reduce electricity bills).
 Identify tasks and responsibles and assign them to various action teams. It is common to assign action fearms to particular issues (e.g. energy, venter, materials, sease and to be a season action fearms to particular issues (e.g. energy, venter, materials).
 - needs.

 Consider linking community environmental activities to existing International, National or Community events such as Arbor Week, Environment Week, World Water Day and so
 - Assess resources available for environmental activities.
 - Make contact with members of the community who are likely to have 'expert' knowledge about community resources.
 - Publicize plans for environmental activities on notice boards or at community meetings.

EXAMPLE STRUCTURE OF GROUP Environment Committee Action Team Action Team

Elect an environmental committee to initiate and oversee environmental activities, if one does not already exist. Form action teams to carry out

environmental activities. Action teams might include a range of representatives from community groups and other stakeholders. Elect an **qualitor** from each

action team. Auditors will be responsible for collating data collected by their teams.

environment committee.
Whatever groups you decide to
use, remember that they should
include representatives from all
areas of the community. The
more people who contribute to
environmental management, the
more effective it will be, not only
in collecting data, but bringing

Environmental Audit Actions

Below are some examples on how to conduct activities as part of an Environmental Audit

ACTION 1: PLANT SURVEY

- Divide a map of your community into areas and assign each area to an action team. Visit each
 area and identify all species of plants growing there. Use eithers in your villages to help you
 identify lepters and add this information to your map.
- Find out which plants growing in your community are locally native and which are introduced species. Research the problems associated with introduced species of plants.
- species. Research the problems associated with introduced species of plants.

 I identify areas around the community that have been cleared or that are lacking in trees and plants. Highlight these areas on your map.
- Find a creek or waterway near your community. Look to see whether the riverbanks are well vegetated. If you find areas with little or no plant cover, note the effects on the banks and the water.
 - Identify local native plants suitable for your community. Consult elders, other community groups, nearby nurseries or other stakeholders for help.

ACTION 2: COMPUCTING A WARTE AUDIT

- ACTION 2: CONDUCTING A WASTE AUDIT

 1 Brainstorm and committe a list of waste litter-tunes in this th found in your community.
 - Divide a map of your community into areas and assign each area to an action team. Survey all areas and use your list to tally how much litter or rubbish of each type is present. Try this activity on different days of the week and see if results are different, if so, work out why.
 - Prepare a map showing the types and quantities of litterirubbish found in different areas of the community. Use colour codes and symbols.
 - Using your map, identify hotspots' where litter/rubbish is most likely to cause environmental impacts. Consider quantities of litter/rubbish and the effects of these on other community
 - resources such as water, soils and even human health

 6. Identify which members of the community use litter/ rubbish hotspots.
- On your map, also identify compost areas and rubbish pits.
 - Identify which members of the community use these areas or practice composting. Is there a need for training in the community in practical waste management actions? If so, what can be done to address this?

Develop a survey form to find out attitudes to litter/ rubbish/ waste. Questions to ask may include

- Why do people litter?
- Minat home does litter on sea?
- What could be done to reduce litter or waste?
- What tune of litter/ nubbish/ weste do people most dislike? Why?
- Use the form to interview a sample of
- residents. Be sure to include users of litter hotenote
- Compare the results from your litter survey with those from your water a vist. Does litter
- have an impact on community water 10
- Where do you think most of the litter objects. of the litter between how come from originals/2
- Will more litter bins and recycling bins help to stop people from littering?

RECYCLING

WASTE REDUCTION AND

- Reduce paper use freuse returnable
- Collect and recycle paper from Barres or percela confibrated boxes
 - Collect and return become Collect and reuse cans and class Compost organic waste.
 - Deduce plastic consumption. Identify recycling possibilities for
- Salvane reveable materials and supposes Avoid or minimize the use of
- discossible dishes, cups, paper Purchase recycled copy paper,
 - Buy environmentally friendly products.

Example Waste Survey

How many community rubbish hins are available in your community? Number Are the bins full? Yes

Can the rightish fall out of the bins? Vas No Is the rubbish around the bin? Yes Are more bins needed? (If yes, what actions can you take) Ass there are recurling him available? Vas No

Are there compost beans around? What are the major types of rubbish in the community?

What can be done to reduce littering and weste?



EXAMPLE WASTE AUDIT SURVEY SHEET

| | of Visit | Time of | (Visit | | | |
|-----|--|--|--|------------------|--|--|
| Nan | ne of Household: | | | | | |
| Nan | ne of Auditor: | | | | | |
| 1. | Do you have a proper rubbish bin? | | | | | |
| | If you answered 'no', what do you use | as a rubi | bish bin? | | | |
| 2. | What is the most common type of rubbish that you put in the rubbish bin? | | | | | |
| 3. | | | No | | | |
| | Do you use compost? | | No. | | | |
| 4. | Do you use composi? | 100 | | | | |
| 5. | Do you purchase environmentally frien | dly produ | lucts? | | | |
| | Explain | | | | | |
| 6. | How many plastic bags would you use in a day? A week? | | | | | |
| | | | | | | |
| 7. | How do you dispose of plastic bags as | d plastic | containers? | | | |
| 7. | Burn Bury | | | | | |
| 7. | Burn Bury | | containers? | | | |
| 7. | Burn Bury | | | | | |
| | Burn Bury Others Please explain: Are you aware of the effects of burnin | plastics | s? Are you aware of the effects of poor v | raste | | |
| 8. | Burn Bury Others Please explain: Are you aware of the effects of burnin | plastics | | raste | | |
| | Burn Bury Others Please explain: Are you aware of the effects of burnin | plastics an health | s? Are you aware of the effects of poor v | raste | | |
| | Burn Bury Others Please explain: Are you aware of the effects of burnin disposal on the environment? On hum What type of household rubbish or wa | plastics an health | s? Are you aware of the effects of poor v h? ou notice in wells, rivers and creeks arox | vaste and the | | |
| | Burn Bury Others Please explain: Are you aware of the effects of burnin disposal on the environment? On hurr What type of household rubbish or wa community? Are any of these toxic? (| plastics an health | s? Are you aware of the effects of poor v | vaste and the | | |
| | Bur Buy Others Please explain: Are you aware of the effects of burnin disposal on the environment? On hurr What type of household rubbish or wa community? Are any of these toxic? Harmful to the environment, or these toxic? | plastics an health ste do yo e. they h | 17 Are you aware of the effects of poor v 17 ou notice in wells, rivers and creeks aroo have dangerous chemicals which may be | vaste and the | | |
| | Bur Buy Others Please explain: Are you aware of the effects of burnin disposal on the environment? On hurr What type of household rubbish or wa community? Are any of these toxic? Harmful to the environment, or these toxic? | plastics an health ste do yo e. they h | s? Are you aware of the effects of poor v h? ou notice in wells, rivers and creeks arox | vaste and the | | |
| | Burn Bury Others Please explain: Are you aware of the effects of burnin disposal on the environment? On hurn disposal on the environment? On burn word of the other of the other of the other community? Are any of these toxic? (in harmful to the environment, or human- | g plastics an health ste do yo e. they h health) | 17 Are you aware of the effects of poor v 17 ou notice in wells, rivers and creeks aroo have dangerous chemicals which may be | vaste and the | | |
| 9. | Bury Others Bury Please explain . Please explain . Ale you awaire of the effects of burnin desposal on the environment? On hurr . What type of mousehold rubbish or wa community? Are any of these book? (I harmful to the environment, or human .) State some things you may be able to . | g plastics an health ste do yo e. they h health) | 17 Are you aware of the effects of poor vin? 77 No on notice in wells, rivers and creeks arco aware dangerous chemicals which may be dangerous chemicals which may be during the weste | vaste and the | | |
| | Bury Please explain: Are you waver of the effects of burnin disposal on the environment? On hurr disposal on the environment of household nubbs of we community? Are any of these toxic? I harmful to the environment, or human | g plastics an health ste do yo e. they h health) | 17 Are you aware of the effects of poor vin? 77 No on notice in wells, rivers and creeks arco aware dangerous chemicals which may be dangerous chemicals which may be during the weste | vaste and the | | |

ACTION & ENERGY CONSERVATION

Energy is used to move people and goods, and to provide power for lighting, heating, cooling and cooking. Computers and telephones, and a range of other appliances, also require energy.

To conserve energy, atternative methods can be used. Use of skylight can be one option. The sun or the solar energy is another atternative source of energy. Solar energy is a renewable resource and does not have the side effects of fosts fluet bruring. Water and wind can also be harmessed to generate energy and are also readily renewable. These atternative sources could meet some of our energy readers.

By using energy wisely, you can:

- Conserve non-renewable resources for future generations
 - Reduce greenhouse gases
 Save money on electricity costs
 - Save money on electricity cos

1_____3 ____ more than 3 ____

We use the light everyday.

We use the light only when it becomes dark

| EX | AMPLE ENERGY AUDIT SURVEY SHEET |
|-----|--|
| Cor | mmunity: |
| Dat | te of Visit: |
| Nar | me of Household: |
| Na | me of Auditor: |
| 1. | How many switches do you have in your household? 1 2 |
| 2 | How many power points do use hour? |

| | Yes | No | |
|--------------------|-------------------------|------------------------|----------------|
| How often do you | use electrical items in | n your household? | |
| refrigerator | per | r day | per week |
| electric kettle | per | r day | per week |
| microwave | per | r day | per week |
| washing machine | per | r day | per week |
| toaster | per | r day | per week |
| sandwich maker | per | r day | per week |
| coffee maker | per | r day | per week |
| computer | per | r day | per week |
| photocopier mach | ineper | r day | per week |
| fax machine | per | r day | per week |
| What are the relat | ionships between en | ergy use and water re | sources? |
| | | | |
| | ways you may be ab | le to save energy in y | our household? |

Electrical Appliances in your household. Do you have a:

Yes __ No___

Yes No

Yes___ No___

Yes__ No___

Yes No

Yes No

Yes No____

Yes___No___

Yes No____

refrigerator

microwava

toaster

electric kettle

washing machine

sandwich maker

photocopier machine

coffee maker

computer

