

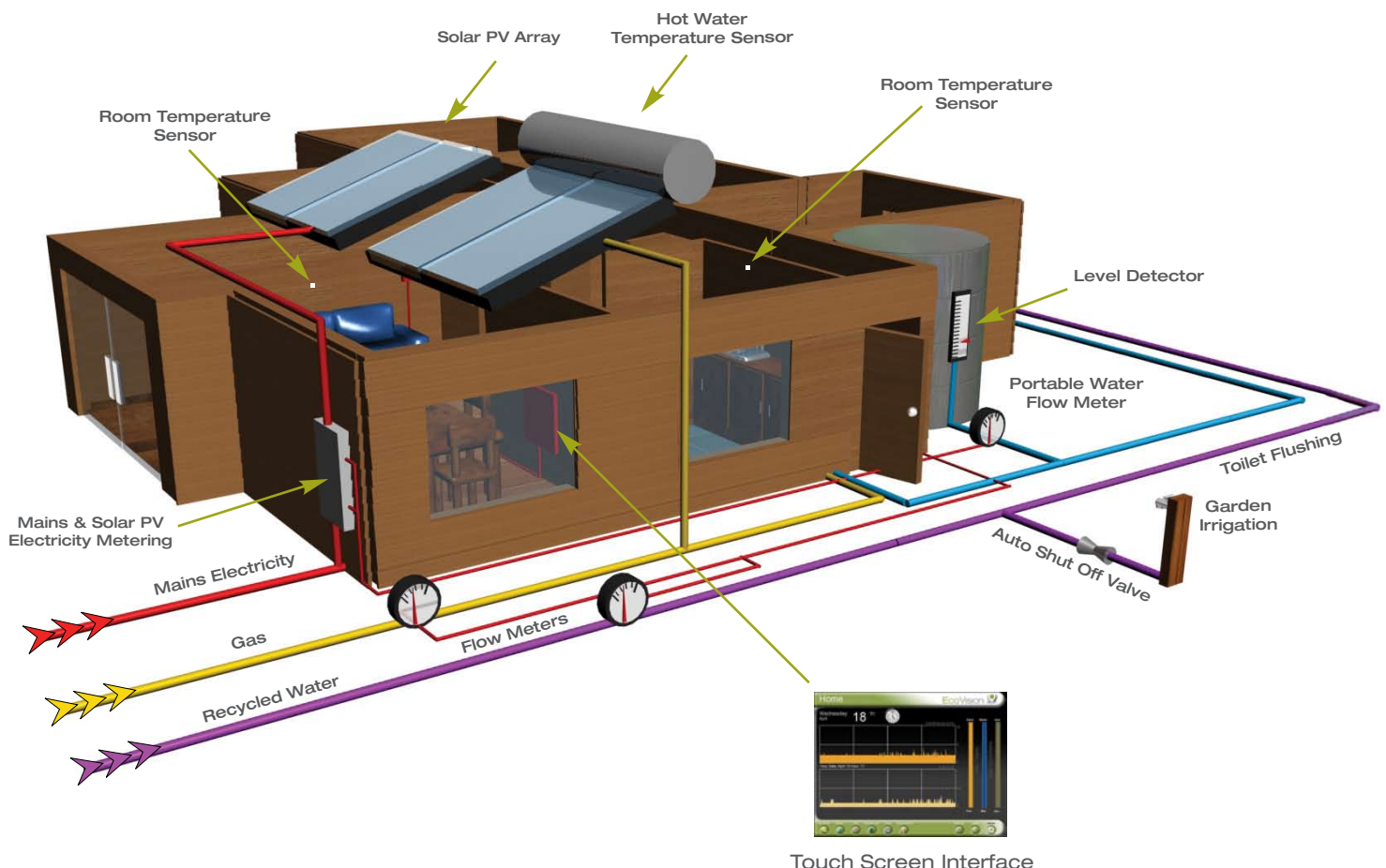
# Home Resource Management EcoVision 3010

**EcoVision 3010 is an intermediate level system with the additional benefits of being able to display water tank level, water usages, hot water temperature, room temperature and outdoor weather conditions. Occupants can individually track:**

- Lighting energy use
- Water pumping energy use
- General energy use (power points)
- Solar power and energy produced
- Rainwater usage
- Recycled water usage
- Gas usage
- Water level in potable water tanks
- Room temperature in 2 rooms
- Hot water temperature

Summary information is displayed on a 17" interactive touchscreen which is mounted in a prominent location within the home (typically the kitchen, but determined by the buyer). More detailed time aggregated information can be retrieved from your personal computer via EcoVision's internet interface.

The Web interface allows the user to see resource consumption over time in a graphical trend format and compare usage with household targets, community targets, community averages and best practice etc. It also shows cost of energy purchased to date and equivalent greenhouse gas emissions. The water tank level sensors enable residents to keep track of projected remaining capacity based on average consumption rates in the event of reduced rainfall. EcoVision 3010 also provides an interface to the Ecovillage weather station enabling display of climatic conditions.



## Included

EcoVision 3010 is supplied in a kit form comprising:

- EcoVision Controller
- Smart I/O module (to be housed in ECN Enclosure)
- 17" Interactive Touchscreen User Interface
- Hot water flow meter
- Tank level sensor
- Two room temperature sensors
- Hot water temperature sensor
- Web interface facility
- Installation manual

## Excluded

At The Ecovillage at Currumbin, the following items are being provided by others:

- Electricity meters - Energex
- Potable and recycled water flow meters - Landmatters
- Recycled water shut off valve - Landmatters
- Gas meters - Origin Energy

|                              | Electrical Energy                     | Potable Water                          | Recycled Water                | Gas       | Other | 2010 | 3010 | 5010 |
|------------------------------|---------------------------------------|--|-------------------------------|-----------|-------|------|------|------|
| <b>Sensors:</b>              | Solar PV meter                        | Potable and hot water flow meters      | Recycled water flowmeter      | Gas meter |       |      |      |      |
|                              | Lighting meter                        |  |                               |           |       |      |      |      |
|                              | Water pumping meter                   |  |                               |           |       |      |      |      |
|                              | General power meter                   |  |                               |           |       |      |      |      |
|                              |                                       | Rainwater tank level detector          |                               |           |       |      |      |      |
|                              |                                       | Hot water temperature sensor           |                               |           |       |      |      |      |
|                              |                                       | Occupancy sensors                      |                               |           |       |      |      |      |
|                              |                                       | Timers                                 |                               |           |       |      |      |      |
| <b>Display:</b>              | Solar PV generation*                  | Cold potable water used*               | Recycled water used*          | Gas used  |       |      |      |      |
| 17" Touch screen             | Energy used for lighting*             | Hot water used*                        |                               |           |       |      |      |      |
|                              | Energy used for water pumping*        |  |                               |           |       |      |      |      |
|                              | Energy used by general power outlets* |  |                               |           |       |      |      |      |
|                              |                                       | Rainwater tank level                   |                               |           |       |      |      |      |
|                              |                                       | Hot water temperature                  |                               |           |       |      |      |      |
| 17" Touch screen             | Lighting and power events log         |  |                               |           |       |      |      |      |
| <b>Controller output to:</b> |                                       |  | Recycled water shut off valve |           |       |      |      |      |
|                              | Light switches                        | Potable water pressure reduction valve |                               |           |       |      |      |      |
|                              | General power outlets                 |  |                               |           |       |      |      |      |

\* instantaneous and cumulative

For further information,  
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