

## R1 WATER TURBINE GENERATOR

THIS DESIGN IS BASED AFTER A THOUGHT, A DESIGN AND NOT AN INVENTION. THE MAIN PART CONSISTS OF ONLY A FEW PIPE COUPLINGS AND A WATER TURBINE GENERATOR.

WHERE TO GET PARTS: POOL OR SPA PARTS OUTLET, HARDWARE STORE, SURPLUS STORE, JUNK YARD (BEST CHOICE), SEARS OR KMART OR WALLMART, ELECTRONICS OR ELECTRICAL STORE, OR A MOTOR/GENERATOR MANUFACTURER.

IF YOU HAVE PROBLEMS FINDING PARTS OR SUPPLIES GIVE US A CALL AND LEAVE YOUR REQUEST OR WHAT PARTS YOU NEED ALONG WITH YOUR PHONE NUMBER AND WE WILL LOOK FOR YOU AND CONTACT YOU AFTER WE HAVE FOUND WHAT YOU NEED.

THE DESIGN DESCRIBED BELOW WILL FEED ELECTRICITY BACK INTO YOUR HOUSE OR THE CITY GRID UPON ANY USAGE OF WATER IN YOUR HOUSE.

CONCEPT: THE CITY SUPPLIES THE PRESSURE SO WHY NOT USE IT NOT ONLY TO GET WATER AROUND YOUR HOUSE BUT ALSO TO RUN A TURBINE FOR FREE ELECTRICITY. I ESTIMATE THAT YOU MAY ACTUALLY BE ABLE TO FEED ENOUGH BACK INTO THE GRID TO COMPENSATE FOR THE COST IN WATER. WE ARE NOT ENCOURAGING YOU TO WASTE WATER OR LEAVE ON YOUR WATER TO GENERATE ELECTRICITY, WE ARE JUST SAYING, USE YOUR PRESSURE WISELY.

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### PARTS LIST:

YOU ARE GOING TO NEED A TURBINE. EITHER ONE WITH A SHAFT PROTRUDING FROM IT OR ONE WITH A GENERATOR ALREADY CONNECTED. IT WOULD PROBABLY BE EASIER BUT MORE EXPENSIVE TO GET ONE ALREADY MADE. IT WOULD BE CHEAPER AND HARDER TO CONNECT THE GENERATOR TO A ROTOR TURBINE. THE TURBINE MUST BE THE TYPE WHICH ONLY ALLOWS WATER TO PASS IF IT IS TURNED TO FORWARD ADVANCE THE WATER THROUGH ITS CHAMBERS, THIS ALLOWS POWER TO BE GENERATED WHENEVER ANY WATER IS USED, EVEN ONLY TO FILL UP A GLASS WITH WATER.

GENERATOR. DEPENDING ON HOW MUCH WATER PRESSURE YOU HAVE SURGING THROUGH YOUR PIPES AT NO LOAD, YOU MAY NEED A SMALL OR LARGE. I RECOMMEND BETWEEN 500-1000WATT GENERATOR TO START. BEFORE YOU BUY A GENERATOR AND A TURBINE, YOU SHOULD FIND OUT HOW MANY PSI OR ACTUAL PRESSURE IS BEING PLACED AT YOUR INLET PIPE TO YOUR HOUSE. THE HIGHER THE PRESSURE THE MORE POWER THAT CAN GENERATED. MOST CITY HOUSES HAVE ENOUGH PRESSURE TO TURN A 500-700WATT GENERATOR. THAT'S FREE ENERGY.

PIPES, PIPE FITTINGS(MUST BE METAL PIPES) AND TEFLON TAPE AND CEMENT GLUE.

WATER PROOF ENCLOSURE FOR THE GENERATOR TO KEEP IT DRY AND OUT OF THE SUN.

HEAVY DUTY EXTENSION CABLE TO FEED ELECTRICITY BACK INTO THE HOUSE.

LINE FILTER FOR THE OUTPUT OF THE GENERATOR.

YOU MAY NEED A TRIAC CIRCUIT OR A FEED ONE WAY CIRCUIT TO ISOLATE THE GENERATOR FROM THE HOUSE POWER. YOU CAN CALL ANY ALTERNATIVE ENERGY SOLAR COMPANY TO ASK HOW THEY ISOLATE THE FREE POWER FROM THE HOUSE POWER.

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FIRST YOU WILL NEED TO FIND THE WATER LINE WHICH FEED WATER INTO YOUR HOUSE.

TURN OFF THE MAIN WATER SHUT OFF VALVE FOR YOUR HOUSE.

CUT OUT A 6-8 INCH SECTION OF PIPE FROM THE INLET.

CONNECT "L" JOINTS TO FACE YOUR TURBINE.

CONNECT PIPES TO EACH JOINT TO FIRMLY ATTACH TO THE TURBINE.

SEAL ALL CONNECTIONS AND CREATE A GOOD CEMENT FOUNDATION FOR THE GENERATOR/TURBINE.

CONNECT THE GENERATOR TO THE TURBINE.

ATTACH THE FILTER TO THE LINE OUT AND CONNECT THE EXTENSION LINE.

EITHER HOOK IT UP TO YOUR HOUSE OR CONNECT IT TO AN ISOLATION CIRCUIT.

BEFORE ACTUALLY CONNECTING IT TO YOUR HOUSE YOU WILL WANT TO TEST IT FOR ABOUT 20 MINUTES OR LONGER FOR LEAKS AND TO SEE IF YOUR WATER PRESSURE DROPS.

IF YOUR WATER PRESSURE DROPS TOO LOW YOU MAY WANT TO ADD A PRESSURE RESIVOIR OR A BYPASS LEVER SWITCH. THE RESIVOIR IS THE MORE IDEAL METHOD.

SEE LAYOUT OF SETUPS. FIG 1 IS THE FIRST DESIGN AND FIG 2 IS THE RESIVOIR DESIGN.

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FIG 1.

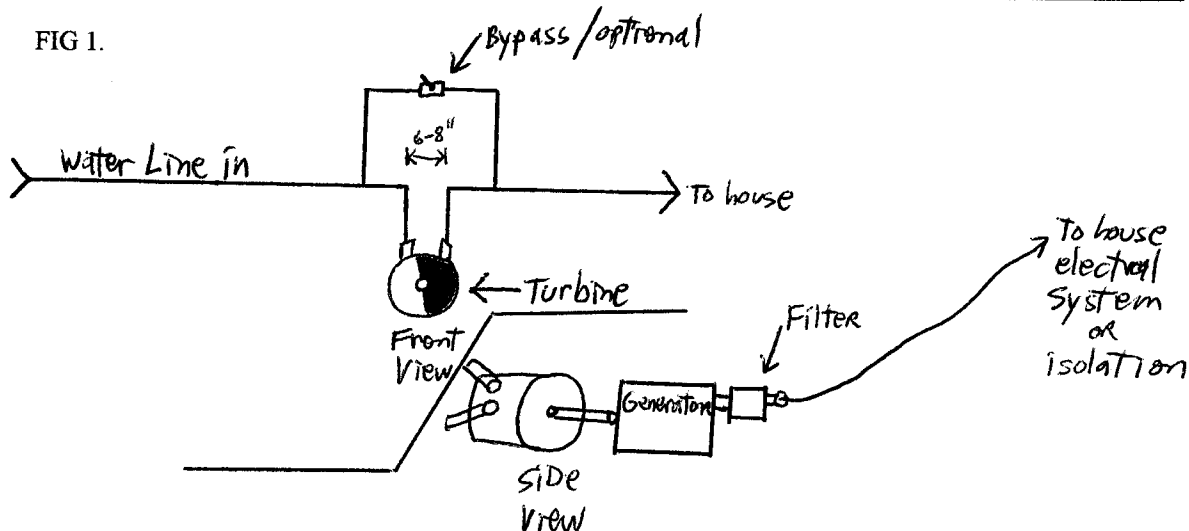


FIG 2.

