

**ENERGY SAVING ACTIONS IN OUR 1911 HOME  
(PURCHASED IN 1969)  
BY SHARON & LEN**

<b>TIME</b>	<b>ENERGY SAVING ACTIONS</b>
<b>1970 – MID 1970</b>	<p><b>UPGRADED OIL BURNER &amp; FURNACE</b></p> <p><b>COVER ON ATTIC PULL-DOWN STAIRS</b></p> <p><b>BEGAN LOW UPKEEP GARDEN - GROWDCOVERS, EVERGREEN &amp; DECIDUOUS SHRUBS, TREES, VEGETABLE AREA ON SOUTH SIDE OF HOUSE.</b></p>
<b>LATE 1970's (1<sup>ST</sup> ENERGY CRISIS) – 1990's</b>	<p><b>NEW, ENERGY-EFFICIENT FURNACE, YEARLY TUNE UP &amp; PROGRAMMABLE THERMOSTAT</b></p> <p><b>BLOWN-IN CELLULOSE IN NORTHEAST WALL</b></p> <p><b>ADD ATTIC INSULATION (FIBERGLASS BATTS) TO INSULATION ALREADY PRESENT IN ATTIC FLOOR</b></p> <p><b>CELLULAR SHADES WITH SEALING EDGES ON NORTH &amp; NORTHEAST WINDOWS</b></p> <p><b>PASSIVE SOLAR – REPLACED SMALL ORIGINAL WINDOW WITH LARGE DOUBLE-PANE GAS FILLED BAY WINDOW ON SOUTH SIDE OF 1<sup>ST</sup> FLOOR PLAYROOM</b></p> <p><b>FOR COOLING, CLOSE SHADES ON HOT DAYS ON EAST, SOUTH &amp; WEST SIDES (FOLLOW THE SUN)</b></p> <p><b>REDUCED WATTAGE OF SOME LIGHT BULBS</b></p> <p><b>GARDEN: BLUEBERRIES, HERBS, FRAGRANT PLANTS TO ATTRACT POLLINATORS, SPRING BULBS; COMPOST PILE; WATER VEGIES WITH SOAKER HOSE; REDUCED SIZE OF LAWN</b></p>

<p><b>EARLY – MID 2000's</b></p>	<p><b>NEWEST, EFFICIENT OIL BURNER (66°F DURING DAY, 62°F AT NIGHT)</b></p> <p><b>NEW, LARGER INSULATED WATER HEATER – TEMPERATURE SET TO 120 °F</b></p> <p><b>PURCHASED 2001 TOYOTA PRIUS (45 miles/gallon)</b></p> <p><b>CELLULAR SHADES ON DINING ROOM WINDOWS</b></p> <p><b>BUY ORGANICALLY-GROWN FOOD AS MUCH AS POSSIBLE</b></p> <p><b>NEW ROOF ON NORTH SIDE WITH ATTIC VENTILATION</b></p> <p><b>LOW FLUSH TOILET UPSTAIRS</b></p>
<p><b>2008 – PRESENT (2<sup>ND</sup> ENERGY CRISIS)</b></p> <p><b>2009 TOOK NEEDHAM 10% ENERGY CHALLENGE</b></p> <p><a href="http://challenge.greenneedham.org/">http://challenge.greenneedham.org/</a></p> <p><b>Go To Page 3.</b></p>	<p><b>CELLULAR SHADES ON MOST WINDOWS UPSTAIRS</b></p> <p><b>REPLACED ALL INCANDESCENT LIGHT BULBS WITH COMPACT FLUORESCENT BULBS (CFL's)</b></p> <p><b>BUY ORGANIC AND LOCALLY-GROWN PRODUCE AND SUPPORT LOCAL AGRICULTURE; AT LEAST ONE VEGETARIAN MEAL/WEEK</b></p> <p><b>REMODELED KITCHEN: REUSED CABINETS WITH NEW DOORS AND TRIM, LARGE SOUTH LOW-E GLASS WINDOW FOR PASSIVE SOLAR WITH BUILT IN CELLULAR SHADE; REFINISHED ORIGINAL WOOD FLOOR; ENERGY-STAR NEW APPLIANCES – STOVE, REFRIGERATOR, DISHWASHER, &amp; WASHING MACHINE; ENGINEERED STONE COUNTERS; DUAL LOW-FLUSH TOILET DOWNSTAIRS</b></p> <p><b>SWITCHABLE POWER STRIPS ON TVs AND RADIOS</b></p> <p><b>HEATING: 65°F DURING DAY, 60°F AT NIGHT</b></p>

<p><b>2008 – PRESENT</b> <b>(2<sup>ND</sup> ENERGY CRISIS)</b> <b>continued</b></p> <p><b>2009 TOOK NEEDHAM 10% ENERGY CHALLENGE</b> <a href="http://challenge.greenneedham.org/">http://challenge.greenneedham.org/</a></p>	<p><b>RADIANT HEATING UNDER FLOOR OF KITCHEN &amp; BACK HALL TO REPLACE OLD RADIATOR IN CABINET UNDER SINK</b></p> <p><b>SPRAY FOAM INSULATION AROUND BASEMENT SILLS AND RIGID FOAM COLLARS AROUND HOT WATER PIPES IN BASEMENT</b></p> <p><b>ROPE CAULK AROUND GAPS IN OLD WINDOWS AND FOAM DRAFT SHIELDS AROUND PULLEY POCKETS – REMOVE EACH SPRING</b></p> <p><b>FOIL-COVERED REFLECTORS BEHIND RADIATORS</b></p> <p><b>INSULATED ALL WALLS OF HOUSE WITH BLOWN-IN, DENSE-PACKED CELLULOSE</b></p> <p><b>GARDEN: RAIN BARREL, SOUR CHERRY TREE</b></p>
<p><b>STILL TO DO SOMEDAY</b></p>	<p><b>NEW STORM WINDOWS</b></p> <p><b>MORE INSULATION IN ATTIC</b></p> <p><b>PHOTOVOLTAIC PANELS ON BACK SOUTH-FACING ROOF WHEN IT NEEDS REROOFING IN A FEW YEARS (PERHAPS COMBINED WITH SOLAR HOT WATER)</b></p> <p><b>REPLACE HOT WATER TANK WITH TANKLESS WATER HEATER</b></p> <p><b>REPLACE SOME ORNAMENTAL PLANTS IN YARD WITH EDIBLE PLANTS THAT ARE ALSO ORNAMENTAL</b></p> <p><b>SWITCH FROM OIL TO GAS HEATING OR ?</b></p> <p><b>MORE EFFICIENT WINDOW COVERING OR NEW WINDOWS?</b></p>