

EMERGENCY STANBY GENERATORS

AN EMERGENCY STANDBY GENERATOR IS A DEVICE THAT IS PROPERLY PERMANENTLY INSTALLED AND HAS A PROPERLY CONNECTED FUEL SUPPLY. THE DEVICE IS PROPERLY WIRED TO THE ELECTRICAL SERVICE PANEL OF THE BUILDING. UPON LOSS OF ELECTRICAL SERVICE THE EQUIPMENT AUTOMATICALLY STARTS THE GENERATOR AND FULL ELECTRICAL POWER IS RESTORED. THE GENERATOR WILL CONTINUE TO OPERATE AS LONG AS THE FUEL IS AVAILABLE. UPON RESTORATION OF ELECTRICAL POWER THE SWITCHING EQUIPMENT AUTOMATICALLY STOPS THE GENERATOR.

PERMITS

A MECHANICAL PERMIT IS REQUIRED TO INSTALL THE GENERATOR

AN ELECTRICAL PERMIT IS REQUIRED TO MAKE THE PROPER CONNECTIONS TO THE ELECTRICAL PANEL AND CONTROL DEVICES FROM THE GENERATOR

A PLUMBING PERMIT IS REQUIRED TO MAKE CONNECTIONS TO NATURAL GAS OR LIQUID PROPANE FUEL SOURCES.

ALL SUCH PERMITS MAY ONLY BE OBTAINED BY CONTRACTORS THAT POSSESS A CURRENT AND VALID WESTCHESTER COUNTY LICENSE.

FUEL

FOR THE USE OF NATURAL GAS IS SUPPLIED BY CON ED, THE ABILITY TO USE NATURAL GAS AS A FUEL REQUIRES A PROPERLY SIZED SERVICE PIPE FROM THE STREET TO THE GAS METER. NOT ALL HOMES HAVE A PROPERLY SIZED PIPE THAT WILL ACCOMMODATE THE ADDED DEMAND FOR NATURAL GAS TO PROVIDE FUEL TO THE GENERATOR. AN EVALUATION MUST BE MADE BY A LICENSED PLUMBER AND SUBMITTED TO CON ED FOR APPROVAL. IF THE EXISTING PIPE IS OF PROPER SIZE THEN A METER CHANGE BY CON ED IS REQUIRED. IF THE EXISTING SERVICE PIPE IS NOT OF PROPER SIZE A NEW LINE MUST BE BROUGHT IN FROM THE GAS MAIN UNDER THE STREET. THIS WILL CREATE A COST FACTOR AND ALSO CREATE A WAITING TIME FACTOR DUE TO CON ED SCHEDULING THE WORK. CONTACT CON ED CUSTOMER SERVICE FOR QUESTIONS REGARDING COSTS AND WAITING TIME.

LIQUID PROPANE IS AN ALTERNATIVE TO NATURAL GAS HOWEVER A SIZABLE TANK MUST BE PLACED UPON THE PROPERTY.

LOCATION

THE GENERATOR MUST OBSERVE ALL ZONING SETBACKS PRINCIPAL BUILDINGS WITHIN THE GIVEN ZONING DISTRICT. THERE ARE NOISE CONSIDERATIONS THAT MUST BE ACHIEVED. THERE IS ALSO A CONSIDERATION FOR EXHAUST FUMES. A GENERATOR MUST BE PROPERLY EXHAUSTED AS TO PREVENT FUMES AND CARBON MONOXIDE FROM ENTERING THE HOUSE IT SERVES AS WELL AS NEIGHBORING HOUSES.

PORTABLE GENERATORS

A PORTABLE GENERATOR IS A DEVICE THAT IS NOT PERMANENTLY INSTALLED AND HAS A SELF CONTAINED FUEL TANK FOR FUELS SUCH AS GASOLINE, OR DIESEL FUEL. THIS DEVICE MAY ALSO IS POWERED PROPANE STORED IN STANDARD PORTABLE TANKS? THIS DEVICE WILL NOT START AUTOMATICALLY WHEN POER IS LOST THEY WILL HAVE SELF CONTAINED ELECTRICAL OUTLETS AND CIRQUIT BREAKERS AND WILL FACILITATE ELECTRICAL EXTENSION CORDS BEING PLUGGED INTO THEM TO PROVIDE REMOTE TEMOPRRARY WIRING TO CARRY ELECTRICAL POWER TO INDIVIDUAELECTRICAL DEVICES AND WIRED APPLIANCES. DURING ELECTRICAL OUTAGES IT CAN PROVIDE LIMITED POWER TO OPERATE REFRIDGERATION EQUIPEMENT, HEATING SYSTEMS AND SUMP PUMPS. IT IS MADE TO BE USED FOR LIMITED PERIODS OF TIME. PORTABLE GENERATORS ARE SIZED BY WATTS A CALCULATION OF ENERGY NEEDS MUST BE MADE IN SELECTING A PORTABLE GENERATOR THAT WILL PRODUCE ADEQUATE ELECTRICAL POWER. THEIR PRICES WILL INCREASE AS WATTAGE OTPUT IS INCREASED AND DIESEL POWERED GENERATORS WILL COST MOR AS THEY ARE CONSIDERED MORE ECONOMICAL TO OPERATE AND CAN RUN FOR LONGER PERIODS OF TIME.

PERMITS

WHILE A MECHAINICAL PERMIT IS NOT REQUIRED TO USE THIS DEVICE THE USER IS HEREBY WARNED THAT ONLY A LICENNSED ELECTRICAL CONTRACTOR WORKING UNDER A DULY ISSUED ELECTRICAL PERMIT MAY PROVIDE CONECTIONS TO THE ELECTRICAL SERVICE PANEL OR OTHER DEVICES IN THE HOUSE TO DISTRIBUTE ELECTRICITY GENERATED BY SUCH PORTABLE DEVICES BEYOND THAT WHICH IS INSTALLED ON THE GENERATOR ITSELF. CONTRACTOR IS RECOMMENDED. CAUTION: WHILE SALESPERSONS MAY BE KNOWLEDGABLE ABOUT THE GENERATOR IT YOU SHOULD CONSULT WITH A DULY LICENSED ELECTRICAL CONTARCTOR THAT HAS INSPECTED YOUR HOMES WIRING DEVICES BEFORE MAKING A SELECTION.

FUEL

WHILE THE PORTABLE GENERATORS CAN RUN FOR HOURS ON A TANK OF FUEL ADDITIONAL FUEL WILL BE REQUIRED TO OPERATE THE GENERATOR FOR LONGER PERIODS OF TIME. THIS CREATES A NEED FOR BULK STORAGE OF FUELS. THIS TYPE OF STORAGE IS HAZARDOUS AND REGULATED BY NY STATE AND WESTCHESTER COUNTY CODES. ADDITIONALLY THE STORAGE OF GAS AND DIESEL FUEL OVER AN EXTENDED PERIOD OF TIME IN ANY QUANTITY CAUSES CERTAIN FOULING CONDITIONS IN THE FUEL ITSELF THAT EFFECT THE OPERATION OF THE GENERATOR AND CAN CAUSE A MALFUNCTION AND OPERATING FAILURE OF THE GENERATOR.

LOCATION

WHILE THIS TYPE OF GENERATOR IS NOT PERMANENT, ITS LOCATIONN DURING OPERATION USE MUST OBSERVE ALL SETBACKS AND CONSIDERATIONS FOR NOISE AND EXHAUST.

WARNINGS

ALL GENERATORS REQUIRE PROPER GROUNDING.

WHETHER IT IS A STANDBY GENERATOR OR A PORTABLE GENERATOR ALWAYS IS AWARE THAT THEY BOTH PRODUCE AN ELECTRICAL CURRENT THAT WILL KILL. THESE DEVICES ARE NOT APPLIANCES AND ARE NOT CONSUMERS OF ELECTRICITY INSTEAD THEY PRODUCE AN ELECTRICAL CURRENT 100 TIMES MORE THAN IS LETHAL AND SHOULD BE TREATED AS DEADLY. THEY ARE POTENTIALLY DEADLY IF NOT INSTALLED OR STORED CORRECTLY. THE MOST DANGEROUS FEATURE IS THAT THEY ARE A SOURCE OF GREAT CURIOSITY TO CHILDREN.

A LOCKED AND SECURE FENCE GUARD TO PROVIDE A TAMPER PROOF PROTECTION AROUND THE PERMANENTLY INSTALLED STANDBY GENERATOR IS RECOMMENDED AS THEY CAN START AT ANY TIME WITHOUT NOTICE

PORTABLE GENERATORS SHOULD BE A KEY START TYPE WITH A SECURE LOCATION FOR THE KEEPING OF THE KEY DOES NOT LEAVE THE KEY ON A NAIL BY THE GENERATOR, AS TO PERMIT UNSUPERVISED OPERATION.