

TABLE 1
POWER AND ENERGY REQUIREMENTS
ISLAND INTERCONNECTED SYSTEM

	YEAR	ISLAND COINCIDENT PEAK DEMAND (MW)	INSTALLED ISLAND CAPABILITY (MW)	LOLE INDEX ¹	ISLAND ENERGY NEEDS (GW.h)	FIRM ENERGY CAPABILITY (GW.h)	ENERGY BALANCE (GW.h)
1	1990	1422	1838	.0087	7384	8332	948
2	1991	1473	1838	.0268	7693	8332	639
3	1992	1544	1838	.1134	7883	8332	449
4	1993	1602	1838	<u>.3168</u>	8054	8332	278
5	1994	1650	1838	.6991	8232	8332	100
6	1995	1693	1838	1.4000	8331	8332	1
7	1996	1745	1838	2.8967	8549	8332	-217
8	1997	1760	1838	3.5431	8692	8332	-360
9	1998	1761	1838	3.5846	8824	8332	-492
10	1999	1796	1838	5.5538	8992	8332	-660

11 ¹ The capacity criteria is exceeded when the LOLE index exceeds 0.2.