



Engineering Estimate of DSM Program Impacts

Achieved to date (as of Dec 2018)			
Program	MW	GWh	CO ₂ (Ton)
Lighting	1,219.1	6,794.8	3,994,628.1
- Fluorescent Tube (T8)	401.5	1,957.5	1,446,682
- Fluorescent T5 Program	175.1	794.9	426,522
- CFL	539.1	3,477.3	1,812,167
- Low-Loss Ballast	18.6	93.2	61,227
- HPSV Street Light	-	17.2	12,723
- LED	84.9	454.7	235,308
- Street lighting (EGAT)	-	1.1	543
- Bulb E27	41.0	241.9	124,557
- MR16	6.4	32.8	16,865
- LED T8	37.4	178.9	93,340
- สํานักงาน กปร.	-	0.0	1.6
Refrigerator	903.5	5,444.9	3,328,041
Air Conditioner	1,958.0	13,459.8	7,427,942
Fan	117.6	1,015.2	521,120
Double oscillating fan	8.7	33.9	17,677
Rice cooker	54.6	126.0	65,152
Motor	0.2	1.2	909
Commercial	2.6	10.3	7,583
Standby - TV & Computer	1.1	6.0	3,266
Electric pot	19.6	33.5	17,210
Water heater	248.5	312.6	161,898
Iron	5.2	11.5	5,911
Washing Machine	19.7	111.8	58,110
TV	50.0	174.7	90,390
Microwave	1.2	1.0	491
Demand Respond (Apr, Jun 15)	65.5	0.8	2
Electric kettle*	1.3	4.5	2,315
Automatic water pump*	24.6	146.5	76,367
Refrigerated display cabinet*	48.6	444.8	232,487
Electric flying pan*	3.5	79.0	41,123
Total	4,753.1	28,212.7	16,052,622.2

DSM program reduction impacts (per month)			
2018	MW	GWh	CO ₂ (Ton)
Jan	17.40	114.07	60,698
Feb	25.36	161.52	85,947
Mar	24.21	162.50	86,469
Apr	18.27	126.36	67,236
May	16.80	107.00	56,933
Jun	26.86	121.38	64,585
Jul	22.16	123.88	65,914
Aug	18.27	98.84	52,593
Sep	17.81	90.44	48,121
Oct	18.96	124.24	66,106
Nov	27.43	175.63	93,450
Dec	43.94	246.81	131,330
Total	277.46	1,652.67	879,382

