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Pump Station Location	Electric Utility	Total Load kW	Annual MW-hrs	GHG Intensity Factors (lbs/MW-hr)				Indirect CO ₂ e Emissions	
				CO ₂	CH ₄	N ₂ O	CO ₂ e	lbs/yr	MT/yr
Las Flores	SCE	N/A	4,044	702.44	0.029	0.00617	705.00	2,851,020	1,293
Gaviota	SCE	N/A	486	702.44	0.029	0.00617	705.00	342,630	155
Sisquoc	PG&E	N/A	5,051	641.35	0.029	0.00617	643.91	3,252,389	1,475
Russel Ranch	PG&E	N/A	0	641.35	0.029	0.00617	643.91	0	0
TOTALS								6,446,039	2,924

NOTES		
1. GHG Intensity Factors from CalEEMOD Version: 2016.3.1		
2. Global Warming Potentials (IPCC 2007, 100 years):		
CO ₂	CH ₄	N ₂ O
1	25	298
3. Calculations:		
lbs CO ₂ e =	Annual MW-hr x [Intensity Factor (CO ₂) x GWP (CO ₂) + Intensity factor CH ₄ x GWP (CH ₄) + Intensity Factor N ₂ O x GWP (N ₂ O)]	
Metric Tons =	lbs CO ₂ e / (2,204.6 lbs/MT)	

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