



Large Motor Form

If the project includes motors of 100hp or larger, this form and all supporting documentation must be submitted to complete the application process. The information provided will be used to properly size the service transformer and ensure distribution system voltage is within acceptable limits when motors start. Please refer to the Motors section (304.3) in CPS Energy's *Electric Service Standards – 2012 Edition* for more information.

1. Is this is an existing or new service? _____
2. How many motors will be installed (100hp or larger)? _____
3. Will any motors start simultaneously? _____
4. Will any motors run at the same time? _____

List each motor with starting characteristics using the table below. If you answered 'yes' to #3 above, please highlight rows for motors that start simultaneously as shown below. **This only applies to motors over 100hp.** The last column must be filled out if the project impacts multiple service points.

New or Existing	Size (hp)	No. of Phases	Voltage	FLA	Locked Rotor per Manufacturer	Max No. of Starts per Day	Start Type	Starting Current	Starting Power Factor	CPS Service Point (meter)
New	300	3	460	324	1944	4	VFD	350	0.85	1
New	100	3	460	115	690	2	Soft Start	460	0.80	2
Existing	200	3	460	241	1446	4	Hard	1446	0.40	1

** If a service/transformer is being upgraded, please list existing motors including starting characteristics **

The following documentation is also required:

- Signed/Sealed Load Sheet
- Electrical one-line diagram
- Specification for soft start method *(if applicable)*
- Information for existing motors of 100hp or larger *(if applicable)*