Load Calculation Form

Project Address:	
Project Description:	

It is at the applicants risk to submit inaccurate or incomplete calculations. Please review additional notes on the backside of this form.

Name / Business: _____ **Master No.:** _____

Email address: _____ **Phone No.:** _____

I have verified that the information contained within this document is correct: _____

Signature *Date*

CEC Rule	Principal Dwelling m²	Secondary m²
Rule 8-200(2) Minimum ampacity of service feeder conductors from a main supplying two or more dwelling units; *and*		
(1)(a)(i) is a basic load of 5000 W for the first 90m² of living area *(see rule 8-110)*; *and*		
(1)(a)(ii) and additional 1000 W for each 90 m² or portion thereof in excess of 90m²; *and*		
(1)(a)(iii) any electric space heating loads *(section 62)*; *and*		
(1)(a)(iii) any AC *(Rule 8-106(3)*; *and*		
(1)(a)(iv) single electric range: 6000 W + 40% exceeds 12 kW; *and*		
(1)(a)(v) electric tankless water heaters or water heaters for steamers, swimming pools, hot tubs, or spas 100%; *and*		
(1)(a)(vi) electric vehicle charging equipment loads 100%; *and*		
(1)(a)(vii) additional loads: electric range provided-25%X (>1500 W), or no electric range provided 100% of (>1500 W) up to 6000 W, +25% X (>6000 W); **OR**		
(1)(b)(i) 100 A, exclusive of basement, is 80m² or more; or **(ii)** 60A, exclusive of basement floor area, is less than 80m²		
Total Calculated Load (W):	W(1)	W(2)
Each Main Breaker, O/C. Type & Size of consumers service conductors	A / AWG	A / AWG

8-200 (2)(a) excluding any electric space-heating and air conditioner loads: **8-202(3)(a)(i)** 100% of calculated load of unit with heaviest load; + **(3)(a)(ii)** 65% of next two units	**100% Primary Dwelling (1):**			
	65% LWH (2) + (3):			
8-200(2)(a)(b), 8-202(3)(b)(c) Electric space-heating loads *"Section 62, subject to Rule 8-106(4)"* and 100% air conditioning loads *"subject to Rule 8-106(4)"*	**Electric space heating loads:**			
	Air Conditioning loads:			
Total Calculated Load (1), (2) and (W)	**Watts**	**Amps**	**Size/Type Service Conductors (AWG)**	**Meter Size**

OFFICE USE ONLY

Reviewed by: **Signature:**

SCO No.: **Date:**

CITY OF FORT SASKATCHEWAN
SAFETY CODES

Additional Notes

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- 1 square meter = 10.764 square feet
- Applicant must provide accurate m^2 as calculated from the information in the Building or Development permit for the purpose of CEC Rule 8-110
- CEC Rules 26-600(1) and 26-602 The service panelboard in any dwelling can not be in a closet, bathroom, stairways or undesirable locations. Main service panelboard must be located within the principle dwelling or common area. Branch circuits from a panel board within the principle dwelling/secondary suite must not be located and connected to outlets or electrical equipment in the Garden Suite.
- The size of a consumer's service conductors between the Supply Authority point of attachment and meter base is to be based on the calculated load obtained from Subrule 8-200(1)(a) or (b) and 8-202(3)(a)(i) to (ii); plus 8-202(3)(b) &(c). The main bus of the meter base must comply with Rule 8-200(2)&(1)
- When the calculated demand indicates that an increase of the service is required from a 100A to 200A, you must contact FORTIS at 780-310-9473 to check availability of the increased service size.
- When applying for electrical work in a Secondary Suite a service demand calculation is to be provided by the applicant
- When applying for electrical work where both a Hot Tub and Air Conditioning unit will be on the property a service demand calculation is to be provided by the applicant
- An inspector can request a service demand calculation at any time for any type of project

Questions regarding your calculation form can be submitted to: inspectors@fortsask.ca