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## SECTION 2 - GENERAL SERVICES

2.1 Applicability - to the extension of service to any distribution or transmission connected premise used primarily for non-residential or non-agricultural purposes on a permanent or seasonal basis, oilfield production, processing and "in-field" pumping facilities, seasonally operated non - agricultural irrigation systems up to 1000 kVA in size and large irrigation in excess of 1000 kVA. For the purposes of this section, distribution is considered to be services at voltages of less than 72 kV, and transmission is considered to be services at voltages of 72 kV and greater. Also, for the purposes of this section, Domestic Load services are services to customers located within SaskPower's franchise area with load connected to or about to be connected to the grid.

### 2.2 Corporation Investment

#### 2.2.1 Distribution Connected Standard General Service Not Exceeding 2000 kVA

2.2.1.1 Individual Applicants (including those located in subdivisions "preserviced" as in Section 2.2.1.2) - the Corporation will invest a maximum amount equal to two years of anticipated revenue (refer to Tables I & II regarding calculations) towards the cost of a permanent distribution connected service extension meeting normal design standards, to any standard General Service customer not exceeding 2000 kVA, and all large irrigation services in excess of 1000 kVA but not exceeding 2000 kVA. However, the Corporation will invest none of the additional costs of the following "optional extras":

- a) a temporary service extension, including the installation and removal labour and unsalvageable material.
- b) a service extension exceeding normal design standards, i.e. additional points of delivery, customer preferred location of point of service attachment, customer preferred supply voltage, etc.
- c) winter construction of underground distribution extensions, where service is specifically requested and subsequently provided during the winter season.

2.2.1.2 Subdivision Developments - the Corporation will initially make no investment towards the cost of providing permanent "mainline" distribution circuits meeting normal design standards, to partially "preservice" the subdivision, but will defer any investment (in accordance with Section 2.2.1.1) until individual service development occurs, at which time the subdivision developer may be eligible for a construction contribution rebate (refer to Section 2.5.1.2).

2.2.2 Distribution Connected Oilfield Services not Exceeding 2000 kVA - the Corporation will invest a maximum amount equal to two years of anticipated revenue towards the cost of a permanent distribution connected service extension not exceeding 2000 kVA, which meets normal design standards, to any oilfield production, processing or "in-field" pumping facilities. However, the Corporation will absorb none of the additional costs of the following "optional extras":

- a) a temporary service extension, including the installation and removal labour and unsalvageable material.
- b) a service extension exceeding normal design standards, i.e. additional points of delivery, customer preferred location of point of service attachment, customer preferred supply voltage, etc.
- c) winter construction of underground distribution extensions, where service is specifically requested and subsequently provided during the winter season.

2.2.3 Distribution Connected Irrigation Services up to 1000 kVA - the Corporation will invest a maximum amount equal to two years of anticipated revenue towards the cost of a permanent distribution connected service extension, which meets normal design standards, to any non-agricultural irrigation unit up to 1000 kVA in size, but will invest none of the additional costs of the following "optional extras":

- a) a temporary service extension, including the installation and removal labour and unsalvageable material.
- b) a service extension exceeding normal design standards, i.e. additional points of delivery, customer preferred location of point of service attachment, customer preferred supply voltage, etc.
- c) winter construction of underground distribution extensions, where service is specifically requested and subsequently provided during the winter season.

2.2.4 Distribution Connected Services in Excess of 2000 kVA – the Corporation will invest an amount, as determined by an individual discounted cash flow analyses, towards the cost of all permanent service extensions, which meet normal design standards to any general service load in excess of 2000 kVA in size, but will invest none of the additional costs of the following “optional extras”:

- a) a temporary service extension, including the installation and removal labour and unsalvageable material
- b) a service extension exceeding normal design standards, i.e. additional points of delivery, customer preferred location of point of service attachment, customer preferred supply voltage, etc.
- c) winter construction of underground distribution extensions, where service is specifically requested and subsequently provided during the winter season.

2.2.5 System Improvement Investment for Distribution Connected Services – in addition to the above noted investment that may be applicable to permanent distribution connected services which meet normal design standards, the Corporation will also invest as a system improvement investment on customer connect services those costs that are based on the following principles:

- a) that portion of the cost to serve a new or increased load that would not have been spent if that were the only load on the line;

- b) the cost of either an already approved capital system upgrade or a defined upgrade based upon the facility's age, less the cost of advancing this upgrade from a future year to the current year;
- c) the cost of any SaskPower preferred routing, design, or construction methods that exceed minimum customer needs and/or minimum Corporate standards.

2.2.6 Transmission Connected Domestic Load Services – the corporation will invest all amounts in excess of the cost to serve the load from the nearest transmission facility that has adequate capacity to serve that load based on pre-established load limits for each transmission voltage, but will invest none of the additional costs of customer preferred optional extras.

Situations that involve extraordinary or unusual circumstances, e.g. remote areas or extreme conditions, may be addressed by utilizing unique or special solutions that differ from the above policy and are applied to each individual case with the prior approval of the appropriate Vice Presidents.

2.3 Customer Contribution Determination - the applicant will be required to contribute any amount by which the total estimated service extension costs exceed the Corporation's investment as outlined in Section 2.2.

2.4 Customer Contribution Payment - customers will normally be required to make a cash deposit towards any required contribution at the time of their acceptance of our quotation amounting to the greater of:

- a) the total construction charge amount up to \$2 000, or
- b) 25% of the required construction charge.

The balance of the required amount will be invoiced to the customer after completion of construction, and payment of the invoice is subject to the same Late Payment Charges applicable to delinquent energy accounts.

Federal, provincial and municipal governments, school boards, oil companies, grain elevator companies and other companies operating on a national or provincial basis are exempt from the deposit requirements.

2.5 Construction Charge Financing Option – customers may be eligible for financing of their construction charge for new service installations, capacity increase installations or temporary service installations subject to the following:

- a) a minimum 25 percent down payment;
- b) the minimum financing per customer is five thousand dollars, net of the down payment, to a maximum of two million dollars, net of the down payment, per customer;
- c) a credit rating acceptable to SaskPower;
- d) provision of security acceptable to SaskPower.

- 2.5.1 Financing Terms – the customer will have an option of a one year to a five year term or a ten year term. Interest rates will vary with the term and size of the financing and will be periodically revised by SaskPower; however, the interest rate will be fixed for the full term of each individual financing.

## 2.6 Construction Charge Rebates

### 2.6.1 Distribution Connected Standard General Service

- 2.6.1.1 Individual Applicants - whenever a "normal" construction charge (i.e. excluding charges for "optional extras") is assessed for the extension of permanent electric service, that contribution is eligible for rebate, in whole or in part, should the extension be utilized by another customer within a period of five years from the date of service. The rebate amount will be calculated on a "shared cost of shared line" principle proportional to the individual loads of the new and existing customers.
- 2.6.1.2 Subdivision Developments - where a construction charge is assessed to preservice a subdivision with "mainline" distribution, that contribution is eligible for rebate, in whole or in part, when the extension is utilized by individual applicants within a period of five years from the date of its installation. The rebates will be equivalent to the amount by which the Corporation's normal investment exceeds the cost to serve the individual applicants, but in no case will the total rebated amount exceed the original contribution.
- 2.6.2 Distribution Connected Oilfield Service - whenever a "normal" construction charge (i.e. excluding charges for "optional extras") is assessed for the extension of permanent electric service to oilfield facilities, that contribution is eligible for rebate, in whole or in part, should the extension be utilized to serve additional oilfield facilities or any other customer within a period of five years from the date of service. The rebate amount will be calculated on a "shared cost of shared line" principle proportional to the new and existing loads.
- 2.6.3 Distribution Connected Irrigation Service - whenever a "normal" construction charge (i.e. excluding charges for "optional extras") is assessed for the extension of permanent electric irrigation service, that contribution is eligible for rebate, in whole or in part, should the extension be utilized by another customer within a period of five years from the date of service. The rebate amount will be calculated on a "shared cost of shared line" principle, proportional to the individual loads of the new and existing customers.
- 2.6.4 Transmission Connected Domestic Load Service – whenever a “normal” construction charge (i.e. excluding charges for optional extras) is assessed for the extension of permanent directly assigned facilities, that contribution is eligible for a rebate, in whole or in part, should the directly assigned facilities be utilized by another domestic load transmission customer or by SaskPower within a period of five years from the in service date of the facilities. The shared portion of the transmission facilities, from the point of connection of the new customer back to the transmission grid, will become part of the transmission network when the new customer connects. Accordingly, the original customer that paid a contribution in aid of construction will receive a rebate calculated on that portion of the line that is

becoming a network facility using the original costs used to calculate the customer's construction charge

2.7 Billing Commencement - energy account billing on all new service extensions will normally commence on the earlier of:

- a) the date the customer requests delivery of energy, or
- b) 60-days after completion of the project.

2.8 Distribution Connected Customer Capacity Increase - where additional electrical load, added to an existing general service installation, requires an increase in the capacity of the Corporation's service facilities with no change in the electrical characteristics or main size, the Corporation will absorb the cost of such capacity increase.

2.9 Disconnection, Salvage & Restoration of Dedicated Distribution Connected Rural Services

2.9.1 Non-Oilfield Accounts - service to any dedicated rural General Service extension will be physically disconnected upon receipt of a written request from the customer for such disconnect. Future electric service requirements should be discussed with the premise owner at that time, and where he provides the Corporation with written salvage authorization, the service extension is subject to immediate removal. Where the owner will not provide written salvage authorization and will not assume billing responsibility he must be advised in writing that he has one year from the date of disconnect to determine if he wants to retain service to the site. After expiry of the one year "grace" period (and failing service reconnection) the owner must be given written notification of our intention to salvage the service extension.

Any request to reconnect service during the one year grace period (or thereafter, provided it's prior to salvage of the service) by the same owner(s) is subject to the Corporation's standard seasonal reconnect fee provisions. Furthermore, the applicant must be advised in writing that future provision of service will not include another "grace period" option and that retention of the service facilities is subject to continuous billing as long as he owns the premise. In other words, subsequent disconnect requests will subject the service extension to immediate salvage unless another customer assumes account billing responsibility or the property is sold.

Any request to re-electrify a rural General Service holding following an authorized salvage of the service extension, in whole or in part, shall be considered a new service application.

Under no circumstances will a request for disconnection or salvage of such service extensions involve a refund of any portion of the original or subsequent construction contributions.

2.9.2 Distribution Connected Oilfield Services - service to any oilfield account will be physically disconnected upon receipt of a written request from the customer, and the service facilities shall be subject to immediate removal.

Any request to re-electrify the oil company's facilities following salvage of the service extension, in whole or in part, shall be considered a new service application.

Under no circumstances will a request for disconnection or salvage of such service extensions involve a refund of any portion of the original or subsequent construction contributions.

**TABLE I****AVERAGE MONTHLY LOAD FACTORS FOR VARIOUS CATEGORIES OF GENERAL SERVICE CUSTOMERS**

1.	<u>Transportation and Communications</u>	
	1) Airline, railroad, bus and trucking terminals and Sask Tel radio sites, etc.	- 50%
	2) Radio station transmitters	- 75%
	3) Microwave stations	- 90%
2.	<u>Hospitals</u>	- 40%
3.	<u>Government and Municipal</u>	
	1) Government offices, water and sewage treatment plants, etc.	- 40%
	2) Sewage lift stations	- 15%
4.	<u>Commercial and Retail</u>	
	Stores, restaurants, service stations, warehouses, lumber yards, etc.	- 35%
5.	<u>Financial</u>	
	Banking institutions, insurance and real estate, etc.	- 35%
6.	<u>Manufacturing and Processing</u>	
	Bakeries, bottling plants, abattoirs, manufacturing plants, etc.	- 30%
7.	<u>Recreational</u>	
	1) Golf clubs, court clubs, roller rinks, etc.	- 25%
	2) Skating and curling rinks (artificial ice)	- 30%
	3) Skating and curling rinks (natural ice)	- 20%
8.	<u>School</u>	- 25%
9.	<u>Agricultural</u>	
	Grain elevators, feed mills, seed cleaning, hatcheries, feed lots, etc.	- 15%
10.	<u>Churches</u>	- 10%

Note: This table is intended to be used mainly as a guide to Typical Average Load Factors and must be tempered with known or anticipated experience in individual circumstances.

**TABLE II**  
**MONTHLY kW.h CONSUMPTION AT VARIOUS**  
**DEMAND AND LOAD FACTOR LEVELS**

Demand in kW	% Load Factor									
	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
5	365	730	1 095	1 460	1 825	2 190	2 555	2 920	3 285	3 650
10	730	1 460	2 190	2 920	3 650	4 380	5 110	5 840	6 570	7 300
15	1 095	2 190	3 285	4 380	5 476	6 570	7 665	8 760	9 855	10 950
20	1 460	2 920	4 380	5 840	7 300	8 760	10 220	11 680	13 140	14 600
25	1 825	3 650	5 475	7 300	9 125	10 950	12 775	14 600	16 425	18 250
30	2 190	4 380	6 570	8 760	10 950	13 140	15 330	17 520	19 710	21 900
35	2 555	5 110	7 665	10 220	12 775	15 330	17 885	20 440	22 995	25 550
40	2 920	5 840	8 760	11 680	14 600	17 520	20 440	23 360	26 280	29 200
45	3 285	6 570	9 855	13 140	16 425	19 710	22 995	26 280	29 565	32 850
50	3 650	7 300	10 950	14 600	18 250	21 900	25 550	29 200	32 850	36 500
55	4 015	8 030	12 045	16 060	20 075	24 090	28 105	32 120	36 135	40 150
60	4 380	8 760	13 140	17 520	21 900	26 280	30 660	35 040	39 420	43 800
65	4 745	9 490	14 235	18 980	23 725	28 470	33 215	37 960	42 705	47 450
70	5 110	10 220	15 330	20 440	25 550	30 660	35 770	40 880	45 990	51 100
75	5 475	10 950	16 425	21 900	27 375	32 850	38 325	43 800	49 275	54 750
80	5 840	11 680	17 520	23 360	29 200	35 040	40 880	46 720	52 560	58 400
85	6 205	12 410	18 615	24 820	31 025	37 230	43 435	49 640	55 845	62 050
90	6 570	13 140	19 710	26 280	32 850	39 420	45 990	52 560	59 130	65 700
95	6 935	13 870	20 805	27 740	34 675	41 610	48 545	55 480	62 415	69 350
100	7 300	14 600	21 900	29 200	36 500	43 800	51 100	58 400	65 700	73 000
105	7 665	15 330	22 995	30 660	38 325	45 990	53 655	61 320	68 985	76 650
110	8 030	16 060	24 090	32 120	40 150	48 180	56 210	64 240	72 270	80 300
115	8 395	16 790	25 185	33 580	41 975	50 370	58 765	67 160	75 555	83 950
120	8 760	17 520	26 280	35 040	43 800	52 560	61 320	70 080	78 840	87 600
125	9 125	18 250	27 375	36 500	45 625	54 750	63 875	73 000	82 125	91 250
130	9 490	18 980	28 470	37 960	47 450	56 940	66 430	75 920	85 410	94 900
135	9 855	19 710	29 565	39 420	49 275	59 130	68 985	78 840	88 695	98 550
140	10 220	20 440	30 660	40 880	51 100	61 320	71 540	81 760	91 980	102 200
145	10 585	21 170	31 755	42 340	52 925	63 510	74 095	84 680	95 265	105 850
150	10 950	21 900	32 850	43 800	54 750	65 700	76 650	87 600	98 550	109 500
155	11 315	22 630	33 945	45 260	56 575	67 890	79 205	90 520	101 835	113 150
160	11 680	23 360	35 040	46 720	58 400	70 080	81 760	93 440	105 120	116 800
165	12 045	24 090	36 135	48 180	60 225	72 270	84 315	96 360	108 405	120 450
170	12 410	24 820	37 230	49 640	62 050	74 460	86 870	99 280	111 690	124 100
175	12 775	25 550	38 325	51 100	63 875	76 650	89 425	102 200	114 975	127 750
180	13 140	26 280	39 420	52 560	65 700	78 840	92 980	105 120	118 260	131 400
185	13 505	27 010	40 515	54 020	67 525	81 030	94 535	108 040	121 545	135 050
190	13 870	27 740	41 610	55 480	69 350	83 220	97 090	110 960	124 830	138 700
195	14 235	28 470	42 705	56 940	71 175	85 410	99 645	113 880	128 115	142 350
200	14 600	29 200	43 800	58 400	73 000	87 600	102 200	116 800	131 400	146 000

The above consumption table is derived from the formula:

$$\text{kW.h} = \text{Load Factor (\%)} \times \text{Peak Demand (kW)} \times 730 \text{ (hours)}$$

**NOTE:** The units of demand in this table are expressed in kilowatts (kW), but to determine monthly revenue on demand billed account, the demand must be calculated in kilovolt-amperes (kV.A). Therefore, in order to do a proper revenue analysis on such an account it is necessary to determine the peak load power factor and to understand the relationship of one unit of demand to the other, i.e., kW = Power Factor x kV.A.

<u>Latest Update Date</u>	<u>Section(s)</u>	<u>Page(s)</u>
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