

Ordinance No. 122745

Council Bill No. 116265

AN ORDINANCE relating to the City Light Department net metering program and customer meter aggregation and amending Chapter 21.49 of the Seattle Municipal Code to conform with amendments to Chapter 80.60 of the Revised Code of Washington.

CF No. _____

Date Introduced:	7-7-08	
Date 1st Referred:	To: Energy & Technology (ETC)	
Date Re - Referred:	To: (committee)	
Date Re - Referred:	To: (committee)	
Date of Final Passage:	Full Council Vote: 7-0	
Date Presented to Mayor:	Date Approved: 7-30-08	
Date Returned to City Clerk:	Date Published: 10	T.O. <input type="checkbox"/> F.T. <input checked="" type="checkbox"/>
Date Vetoed by Mayor:	Date Veto Published:	
Date Passed Over Veto:	Veto Sustained:	

The City of Seattle - Legislative Department

Council Bill/Ordinance sponsored by: Bruce D. Hankel
Councilmember

Committee Action:

Pass As Amended BH, JG, RC

7-21-08 Passed 7-0 (Excused: Clark, McIver)

This file is complete and ready for presentation to Full Council. Committee: _____ (initial/date)

LAW DEPARTMENT

Law Dept. Review

OMP Review

City Clerk Review

Electronic Copy Loaded

Indexed

1 3. "City" means The City of Seattle.

2 4. "City customer" means a customer receiving service at a location in The City
3 of Seattle or in Whatcom County at a site related to the Department's Skagit facilities.
4

5 5. "Customer" means any person, firm, corporation, government agency, or other
6 entity that uses, has used, contracts, or has contracted for electric service from the Department.
7

8 6. "Customer-generator" means a user of a net metering system.

9 ~~((6-))~~ 7. "Department" means the Seattle City Light Department of the City, its
10 Superintendent, or any duly authorized employee of the Department.
11

12 ~~((7-))~~ 8. "Duplex" means a detached building containing two (2) dwelling units.
13

14 ~~((8-))~~ 9. "Dwelling unit" means a single unit providing complete independent
15 living facilities for one (1) or more persons, including provisions for living, sleeping, eating,
16 cooking, and sanitation. "Dwelling unit" excludes dwellings where tenancy is typically of a
17 transient nature, such as hotels, motels, lodges, transitional housing and student dormitories.
18 "Dwelling unit" also excludes living arrangements, such as residences for religious orders, the
19 elderly or the disabled, in which the residents do not live independently.
20
21

22 ~~((9-))~~ 10. "Flat rate" means a fixed charge for a streetlight, floodlight, pedestrian
23 light or a fixed amount of energy consumption.
24
25
26
27



1 ~~((10.))~~ 11. "House service" or "house meter" means service for rooms or areas
2 used in common by the occupants of a multiple unit building.

3 ~~((11.))~~ 12. "KV" means kilovolt.
4

5 ~~((12.))~~ 13. "KVA" means kilovolt-ampere.
6

7 ~~((13.))~~ 14. "KVarh" means reactive kilovolt-ampere hours.
8

9 ~~((14.))~~ 15. "KW" means kilowatt.
10

11 ~~((15.))~~ 16. "KWh" means kilowatt-hour.
12

13 ~~((16.))~~ 17. "Master meter" means service which supplies electrical energy to more
14 than one (1) dwelling unit or boat moorage and is measured through a single inclusive metering
15 system.

16 ~~((17.))~~ 18. "Medical life support equipment" is any piece of equipment which is
17 prescribed by a licensed medical physician, generally accepted in the medical industry as life
18 support equipment, and dependent on electrical service for its operation, such as kidney dialysis
19 units, iron lungs, etc.
20

21 ~~((18.))~~ 19. "MW" means megawatt.
22

23 ~~((19.))~~ 20. "Multiple dwelling building" means any building or any portion of the
24 building which contains three (3) or more dwelling units used, rented, leased, let, or hired out to
25 be occupied, or which are occupied and have provisions for living, sleeping, eating, cooking,
26

1 and sanitation.

2 ((20.)) 21. "Net metering program" means a Department program under which
3 eligible customers that operate net metering systems may generate electricity for their own use,
4 sell the excess to the Department and purchase any deficit from the Department.

5
6 ((21.)) 22. "Net metering system" means a fuel cell, a facility that produces
7 electricity and used and useful thermal energy from a common fuel source, or a facility for the
8 production of electrical energy that ~~((uses as its fuel either solar, wind, or hydropower; has a~~
9 ~~generating capacity of not more than twenty-five kilowatts; is located on the customer's~~
10 ~~premises; operates in parallel with the electric utility's transmission and distribution facilities;~~
11 ~~and is intended to offset part or all of that customer's requirements for electricity)) generates
12 renewable energy, and that:~~

13
14
15 (a) has an electrical generating capacity of not more than one hundred
16 kilowatts;

17
18 (b) is located on the customer-generator's premises;

19 (c) operates in parallel with the electric utility's transmission and
20 distribution facilities; and

21
22 (d) is intended primarily to offset part or all of the customer-generator's
23 requirements for electricity.

1 ((22.)) 23. "Peak period" means Monday through Saturday, six (6:00) a.m. to ten
2 (10:00) p.m.

3 ((23.)) 24. "Power factor" is the ratio kW to kVA.

4
5 ((24.)) 25. "Premises" means all of the real property at a single geographic
6 location utilized by a customer.

7
8 ((25.)) 26. "RCW" means Revised Code of Washington.

9
10 27. "Renewable energy" means energy generated by a facility that uses water,
11 wind, solar energy, or biogas from animal waste as a fuel.

12
13 ((26.)) 28. "Reserved distribution capacity" means capacity reserved by the
14 Department on a distribution circuit to which a customer can transfer its load when that
15 customer's normal, preferred or main service circuit is unavailable.

16
17 ((27.)) 29. "Residence" means a single-family dwelling.

18
19 ((28.)) 30. "Suburban customer" means any customer that is not a city customer
20 or a Tukwila customer.

21
22 ((29.)) 31. "Transitional housing" means a unit or facility that serves as temporary
23 living quarters for individuals or families and is subsidized in whole or in part (e.g., rent and/or
24 utilities) by a non-profit corporation or a government entity, which is responsible for the unit or
25 facility as owner or master leaseholder, or through a written agreement with a landlord.

1 2. “Premises” means any residential property, commercial real estate, or lands,
2 owned or leased by a customer-generator within the Department’s service territory.

3
4 Section 3. Section 21.49.082 of the Seattle Municipal Code is amended as follows:

5
6 **21.49.082 Net Metering Program.**

7 A. The Department shall offer a net metering program in accordance with Revised Code
8 of Washington Chapter 80.60 and Seattle Municipal Code Chapter 21.49. The Department shall
9 develop and enter into ~~((net metering))~~ interconnection agreements, consistent with such laws,
10 with customers desiring to participate in the ~~((new))~~ net metering program. Customers are
11 required to enter into ~~((net metering))~~ interconnection agreements and to comply with their terms
12 as a condition of participation in the net metering program. The Department is authorized to
13 establish policies, ~~((and))~~ procedures, and interconnection standards for implementing the net
14 metering program.
15
16

17 B. The net metering program shall be available to customers that have net metering
18 systems on a first come, first served basis until such time as the cumulative ~~((nameplate))~~
19 capacity of such systems ~~((exceeds 1.9))~~ equals 10 megawatts ~~((0.1))~~ 0.5 percent of the
20 Department's peak demand during 1996); provided that ~~((the net metering program shall not be~~
21 ~~available to new customers using fuel cells once the aggregate nameplate capacity of fuel cells in~~
22 ~~the net metering program equals 0.9 megawatts (0.05 percent of the Department’s peak demand~~
23 ~~during 1996);))~~ not less than one-half of this capacity shall be reserved for the cumulative
24
25
26



1 generating capacity attributed to net metering systems that generate renewable energy; and
2 provided further that the net metering program shall not be available to customers served by an
3 underground distribution network, unless safety concerns can be adequately addressed. On
4 January 1, 2014, the cumulative generating capacity available to net metering systems will equal
5 20 megawatts (1.0 percent of the Department's peak demand during 1996).

7 C. The Department may adopt additional safety, power quality, and interconnection
8 requirements for customer-generators, including limitations on the number of customer
9 generators and total capacity of net metering systems that may be interconnected to any
10 distribution feeder line, circuit, or network, that the Department determines are necessary to
11 protect public safety and system reliability.

13
14 ~~((C.))~~ D. Net metering program customers shall be metered, billed and credited as
15 follows:

16
17 1. In accordance with its normal metering practices, the Department shall
18 measure the net electricity produced or consumed by each net metering program customer during
19 the billing period applicable to that net metering program customer's rate schedule for electric
20 service.

21
22 2. If the electricity supplied to a net metering program customer by the
23 Department exceeds the electricity generated by that customer and fed back to the Department
24 during the billing period, that customer shall be billed in accordance with its then-current rate
25 schedule for the net electricity supplied by the Department. If electricity generated by a net
26

1 metering program customer and fed back to the Department exceeds the electricity supplied by
2 the Department during a billing period, that net metering program customer shall be billed for all
3 charges (including any minimum charges) applicable to that customer's rate schedule, and shall
4 be credited for the excess kilowatt-hours generated and fed back to the Department. A kilowatt-
5 hour credit shall appear on the bill for the following billing period, shall be applied only to
6 reduce the metered amount of kilowatt-hours billed by the Department to that customer, and any
7 unused credit shall be carried forward ((until the end of each calendar year)) to the next bill. ((At
8 the beginning of the next)) On April 30 of each calendar year, any unused kilowatt-hour credit
9 accumulated during the previous year shall be granted to the Department, without any
10 compensation to the net metering program customer.
11
12

13 E. If a customer-generator requests, the Department shall provide meter aggregation.

14
15 1. Kilowatt-hour credits earned by a net metering system, during the same billing
16 period, shall be credited equally by the Department to remaining meters located on all premises
17 of a customer-generator at the designated rate of each meter.

18
19 2. Not more than a total of one hundred kilowatts shall be aggregated among all
20 customer-generators participating in a generating facility under this subsection.
21
22
23
24
25
26
27
28



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

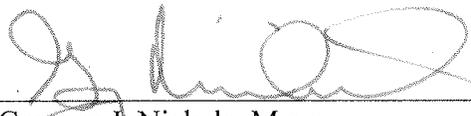
Section 4. This ordinance shall take effect and be in force thirty (30) days from and after its approval by the Mayor, but if not approved and returned by the Mayor within ten (10) days after presentation, it shall take effect as provided by Municipal Code Section 1.04.020.

Passed by the City Council the 21st ^{Feb} day of July, 2008, and signed by me in open session in authentication of its passage this 21st day of July, 2008.



President _____ of the City Council

Approved by me this 30th day of July, 2008.



Gregory J. Nickels, Mayor

Filed by me this 31st day of July, 2008.



City Clerk

(Seal)



FISCAL NOTE FOR NON-CAPITAL PROJECTS

Department:	Contact Person/Phone:	DOF Analyst/Phone:
Seattle City Light	Jack Brautigam/684-3954	Karl Stickel/684-8085

Legislation Title: AN ORDINANCE relating to the City Light Department net metering program and customer meter aggregation and amending Chapter 21.49 of the Seattle Municipal Code to conform with amendments to Chapter 80.60 of the Revised Code of Washington.

• **Summary of the Legislation:**

This legislation amends Seattle Municipal Code sections 21.49.020 and 21.49.082 regarding Seattle City Light's net metering program, which was established in 2000 by Ordinance 120111. Net metering allows customers to be credited for the electricity that they create using their own generating equipment, and helps the utility reduce its overall system load.

The revisions in this legislation expand and enhance participation for Seattle City Light customers who choose to net meter. The legislation broadens the definition of net metering systems to include additional renewable energy technologies, and provides an extended date for the use of net metering credits. The legislation raises the caps on the electrical generating capacity of *individual* net metering systems (from 25 to 100 kilowatts), and on the *cumulative* generating capacity of all of City Light's net metering customers. The legislation also facilitates City Light's ability to bill net metering customers by allowing the utility to combine readings from all meters on the premises of a given net metering customer (a practice known as meter aggregation).

- **Background:** *(Include brief description of the purpose and context of legislation and include record of previous legislation and funding history, if applicable):*

The amendments to the Seattle Municipal Code are necessary to remain in compliance with recent changes in the Revised Code of Washington, RCW chapter 80.60. The net metering program allows City Light to implicitly avoid some costs related to energy production and delivery, while foregoing some retail rate revenues. An estimate of the fiscal impact of City Light's net metering program through 2014 is provided in Attachment 1 to this fiscal note.

- *Please check one of the following:*

This legislation does not have any financial implications. *(Stop here and delete the remainder of this document prior to saving and printing.)*

Please list attachments to the fiscal note below:



Jack Brautigam, jb
SCL Net Metering Ordinance
June 18, 2008
Version #2

Attachment 1: Current and Estimated Potential Revenue Impact of Seattle City Light
Customer Generation



Current and Estimated Potential Revenue Impact of Seattle City Light Customer Generation

Currently, there are approximately 100 Seattle City Light customers with generation systems that are interconnected to SCL's grid and who participate in net metering. All of these generating systems are less than 25 kilowatts in capacity. The total generation capacity of these 100 systems is approximately 300 kilowatts (kW).

By 2014, the number of net metering customers could grow to 2,500 as a result of market growth and increasing incentives. During this time, the average system size is expected to increase due to commercial-scale projects. Total customer generation capacity in 2014 is estimated to be 10,000 kW, and total electricity produced is estimated to be approximately 10 million kWh.

The table below summarizes these forecasts.

Year (July 1)	# Customers	Electricity Generated, kWh	Revenue Impact @ \$0.07/kWh
2007	75	195,000	\$13,650
2008	150	420,000	\$29,400
2009	250	750,000	\$52,500
2010	450	1,440,000	\$100,800
2011	800	2,720,000	\$190,400
2012	1250	4,500,000	\$315,000
2013	1800	6,840,000	\$478,800
2014	2500	10,000,000	\$700,000





City of Seattle

Gregory J. Nickels, Mayor

Office of the Mayor

June 24, 2008

Honorable Richard Conlin
President
Seattle City Council
City Hall, 2nd Floor

Dear Council President Conlin:

I am pleased to transmit the attached proposed Council Bill that amends Seattle Municipal Code regarding Seattle City Light's net metering program. Net metering allows SCL to credit customers that generate their own solar or other renewable technologies, and helps reduce the Utility's overall system load. These amendments are necessary to remain in compliance with recent changes in state law, and will help to enhance participation for City Light customers who choose to net meter.

The attached legislation makes a number of technical revisions to the existing Code, broadens the definition of net metering systems to include additional renewable energy technologies, and provides an extended date for the use of net metering credits. The legislation also facilitates City Light's ability to bill net metering customers by allowing the utility to combine readings from all meters on the premises of a given net metering customer, a practice known as meter aggregation.

Thank you for your consideration of this legislation. These amendments will support those who choose to generate a portion of their electricity at their home or business and allow City Light to provide a higher level of customer service to its net metering customers.

Should you have questions, please contact Jack Brautigam at 684-3954.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Nickels".

GREG NICKELS
Mayor of Seattle

cc: Honorable Members of the Seattle City Council

600 Fourth Avenue, 7th Floor, P.O. Box 94749, Seattle, WA 98124-4749

Tel: (206) 684-4000, TDD: (206) 684-8811 Fax: (206) 684-5360, Email: mayors.office@seattle.gov

An equal employment opportunity, affirmative action employer. Accommodations for people with disabilities provided upon request.



1 3. "City" means The City of Seattle.

2 4. "City customer" means a customer receiving service at a location in The City
3 of Seattle or in Whatcom County at a site related to the Department's Skagit facilities.
4

5 5. "Customer" means any person, firm, corporation, government agency, or other
6 entity that uses, has used, contracts, or has contracted for electric service from the Department.
7

8 6. "Customer-generator" means a user of a net metering system.

9
10 ~~((6-))~~ 7. "Department" means the Seattle City Light Department of the City, its
11 Superintendent, or any duly authorized employee of the Department.

12 ~~((7-))~~ 8. "Duplex" means a detached building containing two (2) dwelling units.
13

14 ~~((8-))~~ 9. "Dwelling unit" means a single unit providing complete independent
15 living facilities for one (1) or more persons, including provisions for living, sleeping, eating,
16 cooking, and sanitation. "Dwelling unit" excludes dwellings where tenancy is typically of a
17 transient nature, such as hotels, motels, lodges, transitional housing and student dormitories.
18 "Dwelling unit" also excludes living arrangements, such as residences for religious orders, the
19 elderly or the disabled, in which the residents do not live independently.
20

21
22 ~~((9-))~~ 10. "Flat rate" means a fixed charge for a streetlight, floodlight, pedestrian
23 light or a fixed amount of energy consumption.
24
25
26
27
28



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

~~((10:))~~ 11. "House service" or "house meter" means service for rooms or areas used in common by the occupants of a multiple unit building.

~~((11:))~~ 12. "KV" means kilovolt.

~~((12:))~~ 13. "KVA" means kilovolt-ampere.

~~((13:))~~ 14. "KVarh" means reactive kilovolt-ampere hours.

~~((14:))~~ 15. "KW" means kilowatt.

~~((15:))~~ 16. "KWh" means kilowatt-hour.

~~((16:))~~ 17. "Master meter" means service which supplies electrical energy to more than one (1) dwelling unit or boat moorage and is measured through a single inclusive metering system.

~~((17:))~~ 18. "Medical life support equipment" is any piece of equipment which is prescribed by a licensed medical physician, generally accepted in the medical industry as life support equipment, and dependent on electrical service for its operation, such as kidney dialysis units, iron lungs, etc.

~~((18:))~~ 19. "MW" means megawatt.

~~((19:))~~ 20. "Multiple dwelling building" means any building or any portion of the building which contains three (3) or more dwelling units used, rented, leased, let, or hired out to be occupied, or which are occupied and have provisions for living, sleeping, eating, cooking,



1 and sanitation.

2 ~~((20.))~~ 21. "Net metering program" means a Department program under which
3 eligible customers that operate net metering systems may generate electricity for their own use,
4 sell the excess to the Department and purchase any deficit from the Department.

5
6 ~~((21.))~~ 22. "Net metering system" means a fuel cell, a facility that produces
7 electricity and used and useful thermal energy from a common fuel source, or a facility for the
8 production of electrical energy that ((uses as its fuel either solar, wind, or hydropower; has a
9 generating capacity of not more than twenty five kilowatts; is located on the customer's
10 premises; operates in parallel with the electric utility's transmission and distribution facilities;
11 and is intended to offset part or all of that customer's requirements for electricity)) generates
12 renewable energy, and that:

13
14
15 (a) has an electrical generating capacity of not more than one hundred
16 kilowatts;

17
18 (b) is located on the customer-generator's premises;

19
20 (c) operates in parallel with the electric utility's transmission and
21 distribution facilities; and

22
23 (d) is intended primarily to offset part or all of the customer-generator's
24 requirements for electricity.



1 ~~((22.))~~ 23. "Peak period" means Monday through Saturday, six (6:00) a.m. to ten
2 (10:00) p.m.

3 ~~((23.))~~ 24. "Power factor" is the ratio kW to kVA.
4

5 ~~((24.))~~ 25. "Premises" means all of the real property at a single geographic
6 location utilized by a customer.
7

8 ~~((25.))~~ 26. "RCW" means Revised Code of Washington.
9

10 27. "Renewable energy" means energy generated by a facility that uses water,
11 wind, solar energy, or biogas from animal waste as a fuel.

12 ~~((26.))~~ 28. "Reserved distribution capacity" means capacity reserved by the
13 Department on a distribution circuit to which a customer can transfer its load when that
14 customer's normal, preferred or main service circuit is unavailable.
15

16 ~~((27.))~~ 29. "Residence" means a single-family dwelling.
17

18 ~~((28.))~~ 30. "Suburban customer" means any customer that is not a city customer
19 or a Tukwila customer.
20

21 ~~((29.))~~ 31. "Transitional housing" means a unit or facility that serves as temporary
22 living quarters for individuals or families and is subsidized in whole or in part (e.g., rent and/or
23 utilities) by a non-profit corporation or a government entity, which is responsible for the unit or
24 facility as owner or master leaseholder, or through a written agreement with a landlord.
25
26



1 ((30.)) 32. "Tukwila customer" means a customer receiving service at a location
2 in the City of Tukwila.

3 ((31.)) 33. "Underground distribution network" means an electrical distribution
4 configuration in which two (2) or more City-owned secondary cables are bussed together so that
5 the loss of any one (1) associated distribution feeder cable will not interrupt service to the
6 customer.
7

8 ((32.)) 34. "Var" means volt-ampere-reactive, the unit of measure of reactive
9 power in a circuit.
10

11 * * * * *

12
13 Section 2. Section 21.49.020 of the Seattle Municipal Code is amended by adding new
14 Subsection C to read as follows:

15 **21.49.020 Definitions.**

16 * * * * *

17
18
19 C. The following terms, as used solely for the purpose of providing meter aggregation in
20 accordance with RCW Chapter 80.60, have the following meanings:

21
22 1. "Meter aggregation" means the administrative combination of readings from
23 and billing for all meters, regardless of the rate class, on premises owned or leased by a
24 customer-generator located within the Department's service territory.



1 2. “Premises” means any residential property, commercial real estate, or lands,
2 owned or leased by a customer-generator within the Department’s service territory.
3
4

5 Section 3. Section 21.49.082 of the Seattle Municipal Code is amended as follows:

6 **21.49.082 Net Metering Program.**

7 A. The Department shall offer a net metering program in accordance with Revised Code
8 of Washington Chapter 80.60 and Seattle Municipal Code Chapter 21.49. The Department shall
9 develop and enter into ~~((net metering))~~ interconnection agreements, consistent with such laws,
10 with customers desiring to participate in the ~~((new))~~ net metering program. Customers are
11 required to enter into ~~((net metering))~~ interconnection agreements and to comply with their terms
12 as a condition of participation in the net metering program. The Department is authorized to
13 establish policies, ~~((and))~~ procedures, and interconnection standards for implementing the net
14 metering program.
15
16

17 B. The net metering program shall be available to customers that have net metering
18 systems on a first come, first served basis until such time as the cumulative ~~((nameplate))~~
19 capacity of such systems ~~((exceeds 1.9))~~ equals 4.9 megawatts ~~((0.1))~~ 0.25 percent of the
20 Department's peak demand during 1996); provided that ~~((the net metering program shall not be~~
21 ~~available to new customers using fuel cells once the aggregate nameplate capacity of fuel cells in~~
22 ~~the net metering program equals 0.9 megawatts (0.05 percent of the Department’s peak demand~~
23 ~~during 1996);))~~ not less than one-half of this capacity shall be reserved for the cumulative
24
25
26
27
28



1 generating capacity attributed to net metering systems that generate renewable energy; and
2 provided further that the net metering program shall not be available to customers served by an
3 underground distribution network, unless safety concerns can be adequately addressed. On
4 January 1, 2014, the cumulative generating capacity available to net metering systems will equal
5 9.8 megawatts (0.5 percent of the Department's peak demand during 1996).

7 C. The Department may adopt additional safety, power quality, and interconnection
8 requirements for customer-generators, including limitations on the number of customer
9 generators and total capacity of net metering systems that may be interconnected to any
10 distribution feeder line, circuit, or network, that the Department determines are necessary to
11 protect public safety and system reliability.

13 ((C.)) D. Net metering program customers shall be metered, billed and credited as
14 follows:

16 1. In accordance with its normal metering practices, the Department shall
17 measure the net electricity produced or consumed by each net metering program customer during
18 the billing period applicable to that net metering program customer's rate schedule for electric
19 service.

21 2. If the electricity supplied to a net metering program customer by the
22 Department exceeds the electricity generated by that customer and fed back to the Department
23 during the billing period, that customer shall be billed in accordance with its then-current rate
24 schedule for the net electricity supplied by the Department. If electricity generated by a net
25
26



1 metering program customer and fed back to the Department exceeds the electricity supplied by
2 the Department during a billing period, that net metering program customer shall be billed for all
3 charges (including any minimum charges) applicable to that customer's rate schedule, and shall
4 be credited for the excess kilowatt-hours generated and fed back to the Department. A kilowatt-
5 hour credit shall appear on the bill for the following billing period, shall be applied only to
6 reduce the metered amount of kilowatt-hours billed by the Department to that customer, and any
7 unused credit shall be carried forward ~~((until the end of each calendar year))~~ to the next bill. ~~((At~~
8 ~~the beginning of the next))~~ On April 30 of each calendar year, any unused kilowatt-hour credit
9 accumulated during the previous year shall be granted to the Department, without any
10 compensation to the net metering program customer.

11
12
13 E. If a customer-generator requests, the Department shall provide meter aggregation.

14
15 1. Kilowatt-hour credits earned by a net metering system, during the same billing
16 period, shall be credited equally by the Department to remaining meters located on all premises
17 of a customer-generator at the designated rate of each meter.

18
19 2. Not more than a total of one hundred kilowatts shall be aggregated among all
20 customer-generators participating in a generating facility under this subsection.



1 Section 4. This ordinance shall take effect and be in force thirty (30) days from and after
2 its approval by the Mayor, but if not approved and returned by the Mayor within ten (10) days
3 after presentation, it shall take effect as provided by Municipal Code Section 1.04.020.

4 Passed by the City Council the ____ day of _____, 2008, and signed by me in open
5 session in authentication of its passage this ____ day of _____, 2008.
6

7
8 _____
9 President _____ of the City Council

10 Approved by me this ____ day of _____, 2008.
11

12 _____
13 Gregory J. Nickels, Mayor
14

15 Filed by me this ____ day of _____, 2008.
16

17 _____
18 City Clerk
19

20 (Seal)
21
22
23
24
25
26
27
28



STATE OF WASHINGTON – KING COUNTY

--SS.

227456
CITY OF SEATTLE, CLERKS OFFICE

No.

Affidavit of Publication

The undersigned, on oath states that he is an authorized representative of The Daily Journal of Commerce, a daily newspaper, which newspaper is a legal newspaper of general circulation and it is now and has been for more than six months prior to the date of publication hereinafter referred to, published in the English language continuously as a daily newspaper in Seattle, King County, Washington, and it is now and during all of said time was printed in an office maintained at the aforesaid place of publication of this newspaper. The Daily Journal of Commerce was on the 12th day of June, 1941, approved as a legal newspaper by the Superior Court of King County.

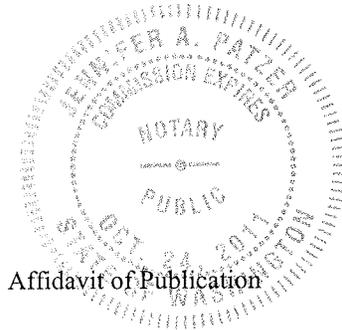
The notice in the exact form annexed, was published in regular issues of The Daily Journal of Commerce, which was regularly distributed to its subscribers during the below stated period. The annexed notice, a

CT:122745 ORDINANCE

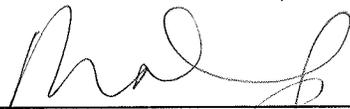
was published on

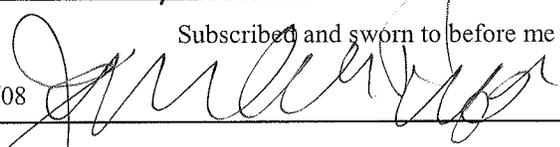
08/05/08

The amount of the fee charged for the foregoing publication is the sum of \$ 463.65, which amount has been paid in full.



Affidavit of Publication



Subscribed and sworn to before me on
08/05/08 

Notary public for the State of Washington,
residing in Seattle

State of Washington, King County

City of Seattle

ORDINANCE 122745

AN ORDINANCE relating to the City Light Department net metering program and customer meter aggregation and amending Chapter 21.49 of the Seattle Municipal Code to conform with amendments to Chapter 80.60 of the Revised Code of Washington.

WHEREAS, Chapter 80.60 of the Revised Code of Washington (RCW) requires electric utilities to make available a net metering program under which eligible customers may generate electricity for their own use, and feed back any excess to and purchase any deficit from the customer's electric utility; and

WHEREAS, RCW Chapter 80.60 was amended by Engrossed Substitute House Bill (ESHB) 2352 in 2006 and Substitute House Bill (SHB) 1140 in 2007; and

WHEREAS, ESHB 2352 amends sections of RCW Chapter 80.60 relating to net metering; and

WHEREAS, SHB 1140 amends sections of RCW Chapter 80.60 and requires electric utilities to make available meter aggregation for customer-generators; and

WHEREAS, the City intends to amend the Seattle Municipal Code to conform with the amendments to RCW Chapter 80.60; NOW, THEREFORE,

BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:

Section 1. Subsection 21.49.020 A of the Seattle Municipal Code is amended as follows:

21.49.020 Definitions.

A. The following terms or abbreviations, as used in this chapter, have the following meanings:

1. "Applicant" means any person, firm, corporation, government agency, or other entity requesting electrical service from the Department.

2. "BPA" means the Bonneville Power Administration or successor agency.

3. "City" means The City of Seattle.

4. "City customer" means a customer receiving service at a location in The City of Seattle or in Whatcom County at a site related to the Department's Skagit facilities.

5. "Customer" means any person, firm, corporation, government agency, or other entity that uses, has used, contracts, or has contracted for electric service from the Department.

6. "Customer-generator" means a user of net metering system.

(6-) 7. "Department" means the Seattle City Light Department of the City, its superintendent, or any duly authorized employee of the Department.

(7-) 8. "Duplex" means a detached building containing two (2) dwelling units.

(8-) 9. "Dwelling unit" means a single unit providing complete independent living facilities for one (1) or more persons, including provisions for living, sleeping, eating, cooking, and sanitation. "Dwelling unit" includes dwellings where tenancy is typically of a transient nature, such as hotels, motels, lodges, transitional housing and student dormitories. "Dwelling unit" also includes living arrangements, such as residences for religious orders, the elderly or the disabled, in which the residents do not live independently.

(9-) 10. "Flat rate" means a fixed charge for a streetlight, floodlight, pedestrian light or a fixed amount of energy consumption.

(10-) 11. "House service" or "house meter" means service for rooms or areas used in common by the occupants of a multiple unit building.

(11-) 12. "KV" means kilovolt.

(12-) 13. "KVA" means kilovolt-ampere.

(13-) 14. "KVarh" means reactive kilovolt-ampere hours.

(14-) 15. "KW" means kilowatt.

(15-) 16. "KWh" means kilowatt-hour.

(16-) 17. "Master meter" means service which supplies electrical energy to more than one (1) dwelling unit or boat moorage and is measured through a single inclusive metering system.

(17-) 18. "Medical life support equipment" is any piece of equipment which is prescribed by a licensed medical physician, generally accepted in the medical industry as life support equipment, and dependent on electrical service for its operation, such as kidney dialysis units, iron lungs, etc.

(18-) 19. "MW" means megawatt.

(19-) 20. "Multiple dwelling building" means any building or any portion of the building which contains three (3) or more dwelling units used, rented, leased, let, or hired out to be occupied, or which are occupied and have provisions for living, sleeping, eating, cooking, and sanitation.

(20-) 21. "Net metering program" means a Department program under which eligible customers that operate net metering systems may generate electricity for their own use, sell the excess to the Department and purchase any deficit from the Department.

(21-) 22. "Net metering system" means a fuel cell, a facility that produces electricity and used and useful thermal energy from a common fuel source, or a facility for the production of electrical energy that (uses as its fuel either solar, wind, or hydropower; has a generating capacity of not more than twenty-five kilowatts; is located on the customer's premises; operates in parallel with the electric utility's transmission and distribution facilities; and is intended to offset part or all of that customer's requirements for electricity) generates renewable energy, and that:

(a) has an electrical generating capacity of not more than one hundred kilowatts;

(b) is located on the customer-generator's premises;

(c) operates in parallel with the electric utility's transmission and distribution facilities; and

(d) is intended primarily to offset part or all of the customer-generator's requirements for electricity.

(22-) 23. "Peak period" means Monday through Saturday, six (6:00) a.m. to ten (10:00) p.m.

(23-) 24. "Power factor" is the ratio kW to kVA.

(24-) 25. "Premises" means all of the real property at a single geographic location utilized by a customer.

(25-) 26. "RCW" means Revised Code of Washington.

27. "Renewable energy" means energy generated by a facility that uses water, wind, solar energy, or biogas from animal waste as a fuel.

(26-) 28. "Reserved distribution capacity" means capacity reserved by the Department on a distribution circuit to which a customer can transfer its load when that customer's normal, preferred or main service circuit is unavailable.

(27-) 29. "Residence" means a single-family dwelling.

(28-) 30. "Suburban customer" means any customer that is not a city customer or a Tukwila customer.

(29-) 31. "Transitional housing" means a unit or facility that serves as temporary living quarters for individuals or families and is subsidized in whole or in part (e.g., rent and/or utilities) by a non-profit corporation or a government entity, which is responsible for the unit or facility as owner or master leaseholder, or through a written agreement with a landlord.

(30-) 32. "Tukwila customer" means a customer receiving service at a location in the City of Tukwila.

(31-) 33. "Underground distribution network" means an electrical distribution configuration in which two (2) or more City-owned secondary cables are bussed together so that the loss of any one (1) associated distribution feeder cable will not interrupt service to the customer.

(32-) 34. "Var" means volt-ampere-reactive, the unit of measure of reactive power in a circuit.

Section 2. Section 21.49.020 of the Seattle Municipal Code is amended by adding new Subsection C to read as follows:

21.49.020 Definitions.

C. The following terms, as used solely for the purpose of providing meter aggregation in accordance with RCW Chapter 80.60, have the following meanings:

1. "Meter aggregation" means the administrative combination of readings from and billing for all meters, regardless of the rate class, on premises owned or leased by a customer-generator located within the Department's service territory.

2. "Premises" means any residential property, commercial real estate, or lands, owned or leased by a customer-generator within the Department's service territory.

Section 3. Section 21.49.082 of the Seattle Municipal Code is amended as follows:

21.49.082 Net Metering Program.

A. The Department shall offer a net metering program in accordance with Revised Code of Washington Chapter 80.60 and Seattle Municipal Code Chapter 21.49. The Department shall develop and enter into ((net metering)) interconnection agreements, consistent with such laws, with customers desiring to participate in the ((new)) net metering program. Customers are required to enter into ((net metering)) interconnection agreements and to comply with their terms as a condition of participation in the net metering program. The Department is authorized to establish policies, ((and)) procedures, and interconnection standards for implementing the net metering program.

B. The net metering program shall be available to customers that have net metering systems on a first come, first served basis until such time as the cumulative ((nameplate)) capacity of such systems ((exceeds 1-9)) equals 10 megawatts ((6-7)) 0.5 percent of the Department's peak demand during 1996; provided that ((the net metering program shall not be available to new customers using fuel cells once the aggregate nameplate capacity of fuel cells in the net metering program equals 0.5 megawatts (0-05 percent of the Department's peak demand during 1996-9) not less than one-half of this capacity shall be reserved for the cumulative generating capacity attributed to net metering systems that generate renewable energy; and provided further that the net metering program shall not be available to customers served by an underground distribution network, unless safety concerns can be adequately addressed. On January 1, 2014, the cumulative generating capacity available to net metering systems will equal 20 megawatts (1.0 percent of the Department's peak demand during 1996).

C. The Department may adopt additional safety, power quality, and interconnection requirements for customer-generators, including limitations on the number of customer-generators and total capacity of net metering systems that may be interconnected to any distribution feeder line, circuit, or network, that the Department determines are necessary to protect public safety and system reliability.

((G-)) D. Net metering program customers shall be metered, billed and credited as follows:

1. In accordance with its normal metering practices, the Department shall measure the net electricity produced or consumed by each net metering program customer during the billing period applicable to that net metering program customer's rate schedule for electric service.

2. If the electricity supplied to a net metering program customer by the Department exceeds the electricity generated by that customer and fed back to the Department during the billing period, that customer shall be billed in accordance with its then-current rate schedule for the net electricity supplied by the Department. If electricity generated by a net metering program customer and fed back to the Department exceeds the electricity supplied by the Department during a billing period, that net metering program customer shall be billed for all charges (including any minimum charges) applicable to that customer's rate schedule, and shall be credited for the excess kilowatt-hours generated and fed back to the Department. A kilowatt-hour credit shall appear on the bill for the following billing period, shall be applied only to reduce the metered amount of kilowatt-hours billed by the Department to that customer, and any unused credit shall be carried forward ((until the end of each calendar year)) to the next bill. ((At the beginning of the next)) On April 30 of each calendar year, any unused kilowatt-hour credit accumulated during the previous year shall be granted to the Department, without any compensation to the net metering program customer.

E. If a customer-generator requests, the Department shall provide meter aggregation.

1. Kilowatt-hour credits earned by a net metering system, during the same billing period, shall be credited equally by the Department to remaining meters located on all premises of a customer-generator at the designated rate of each meter.

2. Not more than a total of one hundred kilowatts shall be aggregated among all customer-generators participating in a generating facility under this subsection.

Section 4. This ordinance shall take effect and be in force thirty (30) days from and after its approval by the Mayor, but if not approved and returned by the Mayor within ten (10) days after presentation, it shall take effect as provided by Municipal Code Section 1.04.020.

Passed by the City Council the 21st day of July, 2008, and signed by me in open session in authentication of its passage this 21st day of July, 2008.

Richard Conlin

President of the City Council

Approved by me this 30th day of July, 2008.

Gregory J. Nickels, Mayor

Filed by me this 31st day of July, 2008.

(Seal) Judith Pippin

City Clerk

Publication ordered by JUDITH PIPPIN, City Clerk

Date of publication in the Seattle Daily Journal of Commerce, August 5, 2008.

of aff