

Draft

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Exhibit B

City of Minneapolis Minneapolis Park & Recreation Board Street Lighting Policy

Prepared by

Department of Public Works

Table of Contents

	Page
Section 1.....	4
Purpose of the Minneapolis Street Lighting Policy	
Section 2.....	4
History of Minneapolis Street Lighting	
Section 3.....	5
Appropriate Light Levels	
Section 4.....	5
Characteristics of Street Lighting Hardware	
Performance and Maintenance Criteria for Ornamental Lighting Systems	
Low Level	
Mid-Level	
High Level	
Section 5.....	6
Approved Fixtures and Poles	
Section 6.....	6
Funding Lighting Systems	
Capital	
Operation and Maintenance	
Special Services	
Section 7.....	8
Standard Street/Alley Lighting Systems	
System Standards	
Costs	
Petition Process	
Light Removal	
Section 8.....	10
Ornamental Lighting Systems---Residential	
System Standards	
Costs	
Petition Process	
Useful Life	
Section 9.....	13
Ornamental Lighting Systems---Central Business and Pedestrian Districts	
System Standards	
Central Business District	
Pedestrian District	
Cost	
Process for Installation	
Useful Life	
Section 10.....	18
Park Board Lighting	
System Standards	
Costs	
Petition Process	
Useful Life	

List of Attachments

- Attachment 1- Map of Ornamental Lighting Systems in Minneapolis**
- Attachment 2- Performance and Maintenance Criteria for Ornamental Lighting Systems**
- Attachment 3- Term Definitions and Diagrams of Cutoff Classifications**
- Attachment 4- City of Minneapolis Lighting Unit Choices**
- Attachment 5- Cost of Street Lighting Systems**
- Attachment 6- City of Minneapolis Standard Street Lighting**
- Attachment 7- City of Minneapolis Standard Alley Lighting**
- Attachment 8- Sample Petition for Standard Street or Alley Lighting**
- Attachment 9- City of Minneapolis Ornamental Low-level Residential Street Lighting**
- Attachment 10- Sample Petition for Ornamental Street Lighting**
- Attachment 11- Definition of Commercial Districts**
- Attachment 12- City of Minneapolis Ornamental High Level Central Business District Street Lighting**
- Attachment 13- City of Minneapolis Ornamental Mid-Level Central Business District Street Lighting**
- Attachment 14- City of Minneapolis Ornamental Low-Level Central Business District Street Lighting**
- Attachment 15- City of Minneapolis Ornamental High-Level Pedestrian District Street Lighting**
- Attachment 16- City of Minneapolis Ornamental Mid-Level Pedestrian District Street Lighting**
- Attachment 17- City of Minneapolis Ornamental Low-Level Pedestrian District Street Lighting**
- Attachment 18- Park Board Parkway Lighting Systems**

Section 1 -- Purpose of the Minneapolis Street Lighting Policy

The City of Minneapolis has developed a Street Lighting Policy that will support the City's goals for livable communities and urban development. Appropriate lighting levels are a security and safety issue.

A Policy will help to ensure that all areas of Minneapolis receive equal treatment on projects and it will give clear guidance to elected officials, residents, developers, and the Department of Public Works on installation and maintenance of street lighting systems.

A Street Lighting Policy will assist in ensuring quality in the street lighting system and help to create a system that is cost efficient, easy to operate, and maintainable. The proper use of lighting contributes to added comfort and safety for pedestrians and motorists. The implementation of a Street Lighting Policy will help to create a cohesive lighting system throughout the City of Minneapolis. The existence of a Street Lighting Policy will provide pole and fixture options that are high quality, cost efficient, and maintainable. In addition, limiting the fixture choices will not add additional cost to the City's maintenance and operation budgets. The Minneapolis Department of Public Works is often approached by developers and property owner proposing to use street lighting fixtures that have not been approved for use on the public right-of-way. A policy defining the fixtures and poles available will aid in the discussions with developers and property owners.

This Policy will be reviewed, as needed, to incorporate any changes in hardware, lighting technology, or economics and to provide an opportunity for continued public input.

Section 2 -- History of Minneapolis Street Lighting

The City of Minneapolis Department of Public Works has been installing and upgrading street lighting for many years. The City of Minneapolis began installing fluorescent lighting systems in the Central and Outlying Business districts in 1954 and finished in 1963. Beginning in 1967 incandescent or mercury vapor fixtures became the standard for new installations. A 10-year program was approved in 1977 to replace the fluorescent fixtures with high-pressure sodium fixtures. Mercury vapor continued to be used on new installations. The high-pressure sodium "shoebox" fixture was developed in 1978 and began to replace fluorescent fixtures in 1979. Between the years of 1980 and 1983 low-pressure sodium fixtures were tested in Minneapolis and the decision was made to discontinue use. Metal Halide lighting was installed for the first time in 1983 around Riverplace. In 1984 Xcel Energy, formerly NSP, began a program to replace their mercury vapor fixtures with high-pressure sodium.

When changes in technology allowed for new light sources, only the fixtures were changed, and not the location of the pole. This left the spacing of the lights unchanged but the light levels increased. This can be seen in the Central Business District and along major corridors such as West Broadway and Lake Street where light levels significantly exceed the recommended levels.

In 1967 the Como neighborhood residential lighting project was installed. This was the first time that low level ornamental fixtures were used in a residential area in Minneapolis. In the early 1990's other neighborhoods in the City of Minneapolis started to install low level ornamental lighting systems. Currently the neighborhoods of Stevens Square, Loring Park, Lowry Hill, Prospect Park, Field, Regina, Lowry Hill East and parts of the neighborhoods of Logan Park and Central have had low level ornamental systems installed. Other neighborhoods have expressed interest. Many neighborhood business nodes or commercial corridors have also installed low level lighting systems.

The downtown area of Minneapolis along with some of the major commercial corridors like, Lake Street, Central Ave, and West Broadway have a combination high-low level ornamental lighting systems. Attachment 1 is a map of ornamental lighting systems in the City of Minneapolis.

Residential areas in Minneapolis, other than those previously mentioned and not shown in Attachment 1, typically have the Xcel Energy wood pole lighting system.

Section 3 -- Achieving appropriate lighting levels for various areas

The Illuminating Engineering Society (IES) has developed an industry standard for roadway, pedestrian way, and sidewalk lighting in regards to land uses and roadway classification. Different areas of Minneapolis require different levels of light. Residential areas do not require as much light as commercial or high pedestrian areas. Roadway classification also has a part in the amount of lighting in an area. An example would be a major collector roadway has higher traffic volumes and requires higher lighting levels than a local residential street. Similarly, a roadway may have a high pedestrian activity (downtown streets) and may need higher light levels.

Lighting levels and uniformity can be modified and changed by altering wattage, mounting height, and pole spacing. Two ways to increase lighting levels without changing the lamp wattage are to decrease the distance between fixtures or to increase the mounting height. Taller mounting heights can help to spread the light.

Section 4 -- Characteristics of Street Lighting Hardware

The Minneapolis Department of Public Works has developed performance criteria that fixtures and poles must meet to be approved for use. These requirements are in place to ensure that the lighting systems provide quality lighting and are efficient to operate and maintain. All fixtures and poles for use in Minneapolis public right-of-way must meet the performance criteria set by the Minneapolis Department of Public Works. Accommodating a limited number of approved fixtures and poles allows for reasonable inventory costs, shortens procurement time, minimizes cost, and improves the city's responsiveness. The Performance and Maintenance Criteria for Ornamental Lighting Systems is shown in Attachment 2. Likewise, the other components of the lighting system (conduits, foundations, cabinets, source of power, etc.) must be approved by the Department of Public Works.

Lighting Fixtures are classified based on the level of cutoff. See Attachment 3 for term definitions and diagrams of levels of cutoff. Many of the decorative light fixtures in use in Minneapolis are semi-cut off.

Street lighting fixtures, service points, and components must be in the public right-of-way and not cross private property. The power connections are underground wiring and conduit for the ornamental system and aboveground wire for the Xcel Energy system.

Solar power for street lighting is a technology that is advancing, but at this point more testing is needed. One hurdle facing solar power is the size and location of solar panels in relation to tree cover and the amount of sunlight that is received. There are other advancing light source technologies on the horizon that may be used in the future, such as Metal Halide with longer lamp life, Light Emitting Diodes (LED's) and QL (Quality Lighting).

Section 5 -- Approved Fixtures and Poles

Fixtures and poles approved for use on the right-of-way will be eligible for use anywhere within the City of Minneapolis. Currently, the City of Minneapolis has two styles of low-level post-top fixtures approved for use, the lantern and the acorn, and one high-level style, the shoebox. The number of approved fixture and pole styles will be limited to allow for reasonable inventory, improve response time, minimize costs, and shorten procurement time. The City of Minneapolis Department of Public Works is seeking to add up to two more low and mid-level post-top fixtures to the approved list.

The City of Minneapolis has one approved pole style for low level lighting installations and one for high level. The City of Minneapolis Department of Public Works is seeking to add one additional low and mid-level pole to the approved list. Dark paint colors should be used for poles to resist graffiti and weathering. See Attachment 4 for the current and proposed approved lighting fixtures and poles.

Process to approve new fixture styles

CPED has been requested to assist in the selection process for new fixtures. Many neighborhood areas in the City of Minneapolis have completed Master Plans. Many of these plans include undefined lighting systems, where the current available fixtures do not appropriately fit with the surrounding architecture. Different styles of fixtures and poles may be desired to better fit with some of the unique neighborhoods of Minneapolis.

- 1. The Department of Public Works will provide the performance and maintenance criteria for fixture and pole styles. (see section 4)*
- 2. CPED, Park Board, and the Department of Public Works will research new styles of poles and fixtures. The Department of Public Works will evaluate these fixtures compared to the previously established criteria.*
- 3. Input from the community will be sought to determine their preference based on appearance.*
- 4. Community preference will be compared with performance, ease of maintenance, and cost determined by the Department of Public Works, CPED and Park Board.*
- 5. Final fixture selections will be presented to the City Council and Park Board as part of the final draft of the Minneapolis Street Lighting Policy.*

Section 6 -- Funding of Lighting Systems

Capital Costs

The capital costs of ornamental street lighting systems are paid through special assessments to the adjacent benefiting property owners. A street lighting district is established at that time.

Capital Costs for the Xcel Energy wood pole system is amortized and paid from the City of Minneapolis general fund with revenue from property taxes.

Operation and Maintenance Costs

Street lighting operation and maintenance costs are costs paid from the City of Minneapolis' general fund when the systems do not exceed the standard lighting levels and associated operation and maintenance costs. When light levels exceed the city recommended level, the adjacent benefiting property owners are assessed an annual operation and maintenance charge for the extra amount over the standard lighting cost.

There is a maximum light level that will be allowed by the city, regardless of a property owner's or developer's willingness to pay the operation and maintenance charge. This maximum light level varies based on the area (residential, commercial, CBD, or high pedestrian activity areas).

The differences in cost from our existing or standard lighting levels and the cost for Central Business Districts (CBD) or Pedestrian Districts areas are shown in Attachment 5.

Special Features and Services

A Special Service District must be created to fund the maintenance of special lighting features such as banners, electricity for outlets mounted on light poles and twinkle lights. Amenities beyond the basic streetlight and pole will not be allowed without a Special Service District.

Section 7 -- Standard Street and Alley Lighting (Xcel Energy Wood pole system)

This lighting system is referred to as "non-ornamental" or "wood pole" lighting and is used predominantly in residential areas. Approximately 85% of the City of Minneapolis is lit by the Xcel Energy wood pole system.

System Standards:

Generally speaking this system includes one light at each intersection, one light near the midpoint of short blocks (approximately 300-foot blocks - usually east/west) and two lights on long blocks (approximately 600-foot blocks - usually north/south) at the one-third points. On blocks longer than 600 feet, lights are spaced approximately 200 feet apart. Standard alley lighting follows the same spacing as street lighting, with lights spaced approximately 200 feet apart. The intersection lights are 150-watt high-pressure sodium (HPS) fixtures and the mid-block lights are 100-watt HPS fixtures. The lighting fixture style is chosen by Xcel Energy (currently in use throughout the City is the Cobrahead style light) and is mounted on a wood pole with power fed through overhead lines.

The spacing layouts for street and alley lighting are shown in Attachment 6 – Standard Street Lighting and Attachment 7 – Standard Alley Lighting.

Costs:

This lighting system is installed, operated, and maintained by Xcel Energy. Xcel Energy charges a flat monthly fee to the city for electric usage, any maintenance that is required, and the amortized capital costs. These lights comply with the City's lighting levels. The operation and maintenance costs of this lighting system is provided by the City at no direct cost to the property owners and is paid from the City's General Fund.

There may be costs assessed to property owners if the removal of a light occurs prior to the five-year minimum as required in the Xcel Energy contract with the City of Minneapolis. Also, see the Light Removal Process below.

Petition Process to Obtain Standard Street and/or Alley Lighting:

- 1) Property owners, or residents, can request these lights on their street or alley by submitting in writing a request to the Department of Public Works for a petition. The petition request must include the streets or alleys on which the requested lighting would be located as well as the number of lights being requested, contact name and phone number, and indicate that the affected Council Member has been informed. This petition form will only be prepared if the area does not currently have the maximum allowed number of lights.
- 2) The Department of Public Works will prepare a petition form that will include: (see Attachment 8 for sample petition)
 - Description of petition area
 - Information regarding the five year minimum time period for installation
 - Number of lights that are proposed
 - Declaration of who can sign the petition
 - Percentage of "approval" signatures required for consideration
 - Time deadline for return of petition
 - Contact number of neighborhood representative

- 3) The requestor is then responsible for circulating the petition, obtaining signatures for approval, and returning it to the Department of Public Works for verification within 90 days from the date that the petition was transmitted to the requestor.
- 4) At least 65% of the affected properties (owners and renters) signatures are needed. Affected properties are those that are within the affected frontage of the block(s) abutting the street or alley on which the streetlights are proposed.
- 5) The Petition signatures are verified and a “To The Record” letter is sent to the respective City Council Member(s) for their approval. The signed “To The Record” is then submitted quarterly in receive and file format to the City Council for final documentation.
- 6) Once the project has Council Member approval, The Department of Public Works will direct Xcel Energy to install the respective lighting. Xcel Energy is responsible for the final location, planning, installation, operation and maintenance of these lights.

Light Removal:

The standard street/alley lights shall have a five-year minimum installation period as required by the Xcel Energy contract with the City of Minneapolis. There may be costs assessed to property owners if the removal of a light occurs prior to the completion of this minimum installation period.

Lighting for mid-block and alley locations may be removed. Intersection lighting is mandated by City Ordinance and can not be removed.

For removal of existing standard lights, the requestor must secure a petition signed affirmatively by property owners or residents representing 100% of the affected front footage of the block(s) abutting the street or alley on which the street light is to be removed using the above petition process.

Additional Lights in Excess of the City Standards:

There are no provisions for additional city paid lighting in excess of the City’s lighting standards. Property owners can contact Xcel Energy directly to discuss details and costs of additional lighting for their private property. The City is not involved in these light installations or costs.

Section 8 --Ornamental Low-level Lighting- Residential

Low-level ornamental lighting has a mounting height of 12 feet and is most commonly found in residential areas.

This ornamental low-level lighting system (previously referred to as "pedestrian level" lighting) is used in residential areas as a replacement for and improvement to the standard street/alley lighting (See Section 7) provided by the City through Xcel Energy. This ornamental low-level system typically results in an increased number of lighting units in a block for a more even distribution of light. The light fixture is lower in height and often considered more pleasing in appearance than the standard street/alley lighting system. These lights are also designed to better illuminate sidewalks as well as roadways. The operation and maintenance costs are similar to the standard street/alley light.

The process for installing ornamental low-level lighting is property owner, neighborhood, business association, or developer driven. This type of lighting usually requires an assessment of the capital cost to the adjacent benefiting property owners. Lighting can be installed as a stand-alone project or in conjunction with a street restoration or reconstruction project. There are some cost savings when lighting is installed with a reconstruction project. Likewise, new residential developments may request to install ornamental low-level lighting and pay all the implementation costs.

System Standards:

Currently, there are two approved fixture styles - the acorn and the lantern. Up to two additional fixture styles may be approved if they meet the criteria set by the Department of Public Works. Fixtures are mounted on an approved pole at a height of 12 feet. This height was chosen to optimize light distribution on the street and sidewalk while minimizing the opportunity for vandalism while maintaining a pedestrian scale.

The lighting system is powered by underground wiring. Generally all overhead light fixtures mounted on wood poles along the streets will be removed in the project area. Wood poles and overhead wiring will be removed wherever possible, if they are not supporting other utilities.

The style of fixture to be installed is selected by the developer or neighborhood group. The Department of Public Works encourages continuity of fixture style in sections of the City to maintain uniformity in style and avoid an inconsistent block-to-block style change. The proposed area must consist of at least four contiguous blocks to be considered under this program. If the entire neighborhood is included in the petition effort, lights will be installed on both sides of the boundary streets, including properties that are in adjacent neighborhoods to maintain the style uniformity.

The design standards for this lighting system are shown in Attachment 9 – Ornamental Low-Level Residential Street Lighting. The lighting project must meet the Average Foot-candles and Uniformity Ratio defined by lighting industry standards and the Department of Public Works. Pole spacing and quantity may vary depending on the street width. The Department of Public Works shall review and approve all lighting fixtures, poles, project design and construction.

Costs:

The costs to administer, design and construct the ornamental low-level lighting system are considered capital costs. These capital costs are assessed in full to the adjacent benefiting property owners, unless other funding sources, such as Neighborhood Revitalization Program funds, are used to reduce the

assessable costs. Properties within the assessment influence zones are assessed for the capital costs associated with the lighting system. The assessment rate is applied uniformly to all assessable properties, irrespective of land use. Assessments can be paid over a 20-year period with interest determined by the sale of bonds, or they can be paid in full at any time with no penalty. In 2004 dollars the typical annual assessment to a property is \$150 plus interest, over 20 years.

Operation and maintenance costs are a basic public service paid by the City's General Fund at no direct cost to the property owners, unless the City's lighting levels are exceeded, or a higher operation and maintenance costing fixture is used. If the lighting standards are exceeded, the additional operation and maintenance costs over and above the standard costs are added as an on-going assessment to the benefiting properties for those lights exceeding the City's lighting standards.

Properties subject to property taxation do not pay directly for the operation and maintenance costs of the lights unless the numbers of lights exceeds the City's lighting standard. Non-profit organization or property exempt from property taxation pay for the operation and maintenance costs through a special assessment for operation and maintenance.

Petition Process for Ornamental Low-Level Lighting Residential:

- 1) Any property owner, resident, or developer can request ornamental low-level lighting for their area. The request must be in writing and include the blocks in question for lighting installation, a contact name and phone number, and indication that the affected Council Member and neighborhood association have been informed. These requests are sent to the Department of Public Works.
- 2) Once the petition area has been established, the Department of Public Works will prepare a petition form that will include: (See Attachment 10 Sample Petition)
 - Map and description of petition area
 - Fixture style that will be used
 - Estimated cost for entire project
 - Estimated number and location of lights
 - Funding methods
 - Estimated assessment rate for defined average lot
 - Declaration of who can sign the petition
 - Percentage of "approval" signatures required for consideration
 - Time deadline for return of petition
 - Contact number of neighborhood representative and/or City staff if someone would like to ask additional questions
- 3) Public informational meetings to explain the project and process, especially for large projects, are held.
- 4) Once the petition process has begun, the project boundaries cannot be changed without the written approval of the City Council Member(s) for the project area. Otherwise, new petitions will be prepared showing the new project boundaries and the process will begin again.
- 5) The requester is then responsible for circulating the petition, obtaining signatures for approval, and returning it within the stated time period to the Department of Public Works for verification. The maximum time allowed to complete and return the petitions to the Department of Public Works is one year from the date of petition form was transmitted to the neighborhood, unless an extension of up to six months is granted by the City Council Member(s) of the area.

- 6) Completed petitions are submitted to the Department of Public Works for verification of signatures. The square footage of property in the project area is totaled, the amount of property that is represented by petition signers is calculated, and the percent approval is determined.
- 7) Signatures representing at least 65% of the total square footage of the benefiting property owners as calculated by the Department of Public Works shall be sought within the above given timeframe. This percentage is a Department of Public Works guideline and is only advisory to the City Council. (The City Council may approve a project with a percentage less than 65% approval of the benefited property and are not required to approve projects with over 65% approval of the benefited property.) Based on area parameters, petition validation efforts, and the 65% threshold, the Department of Public Works will recommend approval or denial.
- 8) The project is formally submitted by the Department of Public Works to the City Council for authority to proceed or end the petitioning process. If approval is received, detailed property assessment rolls are prepared, and notices are sent to property owners notifying them of the official public hearing date. The City Council Transportation and Public Works Committee holds the public hearing, and assuming committee approval, the project is moved on to the City Council and the Mayor for their approval of the project. (If an area starts the petition process and the project does not move forward, no part of that area may start another petition effort for 2 years after the initial petition submittal date.)
- 9) The Department of Public Works will develop a schedule to complete the lighting project based upon workloads, time of year, time required for material procurement, or hire a contractor if necessary.

End of Useful Life:

The ornamental low-level lighting system has a useful life of approximately 25-35 years. The City Engineer will determine the end of the lighting system's useful life. Once a lighting system has reached the end of its useful life, the affected area must be re-petitioned to install a new low-level lighting system. Once a system has reached its useful life, the replacement process will be as follows:

- 1) The Department of Public Works will send a notice to the Council Member(s) and the neighborhood association(s) of the lighting area. This notice will request action to:
 - a) remove the old low-level lighting system and install a new low-level system, or
 - b) remove the old low-level lighting system and install the standard street/alley (wood pole) system
- 2) If alternative (a) is selected, The Department of Public Works will send out a petition for the respective replacement lighting system. If alternative (b) is selected or the alternative (a) petition process is unsuccessful, the old system will be removed and the standard street/alley system will be installed.
- 3) Assessments will be charged for the replacement of the low-level lighting systems.

Section 9 -- Central Business or Pedestrian District Ornamental Lighting Systems

There are two basic classifications - the Central Business District and the Pedestrian Districts (See Attachment 11 – Definition of Districts). The Central Business District has a higher light level than the Pedestrian District. The process for installation, financing, and removal is essentially the same for both classifications and will apply to new developments, commercial blocks, intersections or areas. In general, this lighting system will accommodate the special increased lighting needs for commercial and high pedestrian activity areas.

System Standards:

Commercial and Pedestrian Districts have higher lighting level requirements than residential areas. The lighting hardware is mounted on higher poles, spaced closer together, to produce higher light levels. The street lighting design shall be in accordance with City's lighting standards utilizing City approved poles and fixtures. Low, Mid, and High-level ornamental lighting has varying mounting heights and is generally found in the central business district, outlying business districts, along major roadways, and in high pedestrian activity areas.

Central Business District (CBD)

A CBD lighting project must meet the Average Foot-candles and Uniformity Ratio developed by the lighting industry and the Department of Public Works. The light pole spacing standards reflect a typical 60-foot wide commercial street. Pole spacing may vary depending on the street width to provide the approved light levels. The Department of Public Works must review and approve all lighting fixtures and pole placement. The standards for the high, mid and low-level CBD lighting systems are as follows:

- High-Level CBD Lighting -- This is a 30-foot steel street light pole with a 250-watt HPS “shoebox” style lighting fixture. (See Attachment 12 – Central Business District Street Lighting)
- Mid-Level CBD Lighting -- This is a 20-foot pole with a 100 watt HPS double ornamental lighting fixture. The standard mid-level poles have electrical outlets that are not energized unless a Special Service District is created to pay for the operation and maintenance costs. (See Attachment 13 – Mid Level Central Business District Street Lighting Standard)
- Low-level CBD Lighting-- This is a 12-foot pole with a 100 watt HPS ornamental lighting fixture. The standard low-level poles have electrical outlets that are not energized unless a Special Service District is created to pay for the operation and maintenance costs. (See Attachment 14 – Low Level Central Business District Street Lighting Standard) This lighting is reserved for residential areas within the CBD as defined in Attachment 9.

New ornamental lights are recommended to be installed on an entire CBD block and not on a property by property basis. However, if a CBD property proposes to install lighting on just their property, the property owner at their own cost must complete and submit to the Department of Public Works for its approval the following items:

- 1) A lighting plan for the entire CBD block (both sides) that indicates where all low-level lights would be installed that is consistent with the lighting fixture and pole style for the general area,
- 2) Define which lights will be installed by the property,
- 3) Define which lights will be removed,

- 4) Prepare an engineered lighting plan that indicates that the average foot-candles and uniformity ratio criteria are achieved with the proposed changes.
- 5) Following construction the property must provide the Department of Public Works with a set of as-built plans, or hire the traffic division to perform construction inspection and as-builts.

The Department of Public Works must approve all installations of lighting systems on public right-of-way.

Pedestrian District (PD)

The PD lighting project must meet the Average Foot-candles and Uniformity Ratio developed by lighting industry and the Department of Public Works. The light pole spacing standards reflect a typical street width. Pole spacing may vary depending on the street width to provide the necessary light levels. The Department of Public Works must review and approve all lighting fixtures and pole placement. The standards for the high, mid and low-level PD lighting systems are as follows:

- High-Level PD Lighting -- This is a 30-foot metal pole with a 250-watt HPS “shoebox” style lighting fixture. (See Attachment 15 – Ornamental High-level Pedestrian District Street Lighting).
- Mid-Level PD Lighting -- This is a 20-foot pole with a 100 watt HPS post-top lighting fixture. The standard mid-level poles have electrical outlets that are not energized unless a Special Service District is created to pay for the operation and maintenance costs. (See Attachment 16 – Low Level Pedestrian District Street Lighting)
- Low-Level PD Lighting -- This is a 12-foot pole with a 100 watt HPS post-top lighting fixture. The standard low-level poles have electrical outlets that are not energized unless a Special Service District is created to pay for the operation and maintenance costs. (See Attachment 17 – Ornamental Low Level Pedestrian District Street Lighting) The low-level PD lighting will be used in residential areas.

New lights are encouraged to be installed for the entire PD area and not on a property-by-property basis. However, if a PD property proposes to install lighting on just their property, the property owner at their own cost must complete and submit to the Department of Public Works for their approval the following items:

- 1) A lighting plan for the entire PD street block (both sides) that indicates where all low-level lights would be installed that is consistent with the lighting fixture and pole style for the general area,
- 2) Define which lights will be installed by the property,
- 3) Define which lights will be removed,
- 4) Prepare an engineered lighting plan that indicates the average foot-candles and uniformity ratio standards are still met with the respective changes.
- 5) Following the installation the property owner or developer must provide the Department of Public Works with a set of as-built plans, or hire the traffic division to perform construction inspection and as-builts.

The Department of Public Works must approve all installations of lighting systems on public right-of-way.

Costs:

The costs to administer, design and construct a CBD or PD lighting system are considered capital costs. The requesting individual, developer, organization, district, or property owners are responsible for all capital costs for the proposed lighting system. Properties within the assessment influence zones are assessed for the capital costs associated with the lighting system. The assessment rate is applied uniformly to all assessable properties, based on square footage of property, irrespective of land use. Assessments can be paid over a 20-year period with interest determined by the sale of bonds, or they can be paid in full at any time with no penalty.

Operation and maintenance costs are a basic public service paid by the City's General Fund at no cost to the property owners unless the City's standard lighting operation and maintenance costs are exceeded. In that circumstance, the added operation and maintenance costs above the standard are added as an on-going assessment to the properties or organizations benefiting from the added lighting. Property owned by non-profit organizations is exempt from property taxation and pay for the operation and maintenance costs through a special assessment for operation and maintenance.

Process For Installation of CBD and PD Lighting:

- 1) Property owners or developers within these districts may initiate the installation of ornamental street lighting by submitting a written request including a proposed lighting plan prepared by the Department of Public Works or other qualified professionals. The request must include the blocks proposed for lighting installation, a contact name and phone number, and indicate that the affected Council Member(s) and neighborhood association(s) have been informed. These requests are sent to the Department of Public Works.
- 2) The actual approval process will vary based on how the lighting system is to be funded, i.e. developer, business organization, special service district, property assessment, or outside sources. Depending on the funding source, a petition may or may not be required. (See Attachment 10 Sample Petition)

If a petition is required, the Department of Public Works will prepare a petition form that will include:

- Map and description of petition area
 - Fixture style that will be used
 - Estimated cost for entire project
 - Estimated number and location of lights
 - Funding methods
 - Estimated assessment rate for defined average lot
 - Declaration of who can sign the petition
 - Percentage of "approval" signatures required for implementation
 - Time deadline for return of petition
 - Contact number of neighborhood representative
- 3) Public informational meetings to explain the project and process, especially for large projects, are held.
 - 4) Once the petition process has begun, the project boundaries cannot be changed without the written approval of the Council Member(s) for the project area. Otherwise, new petitions will be prepared showing the new project boundaries and the process will begin again.

- 5) The requester is then responsible for circulating the petition, obtaining signatures for approval, and returning it to the Department of Public Works for verification within the stated time period. The maximum time allowed to complete and return the petitions to the Department of Public Works is one year from the date of petition was transmitted to the requestor, unless an extension of up to six months is granted by the Council Member(s) of the area.
- 6) Completed petitions are submitted to the Department of Public Works for verification of signatures. The square footage of property in the project area is totaled, the amount of property that is represented by petition signers is calculated, and the percent approval is determined.
- 7) Signatures representing at least 65% of the total square footage of the benefiting property owners as calculated by the Department of Public Works shall be sought within the above given timeline. This percentage is a Department of Public Works guideline and is advisory to the City Council. Each lighting system will be reviewed and approved by the City Council. (The City Council may approve a project with a percentage less than 65% and are not required to approve projects with over 65%.) Based on the area parameters, petition validation efforts, and the 65% threshold, the Department of Public Works will recommend approval or denial.
- 8) If the project meets the 65% petition threshold or City Council Members(s) determine that the interest level warrants continuing the process, then the project is formally submitted by the Department of Public Works to the City Council for authority to proceed. After approval is received, detailed property assessment rolls are prepared, and notices are sent to property owners notifying them of the official public hearing date. The City Council Transportation and Public Works Committee (T&PW) holds the public hearing, and assuming T&PW Committee approval, the project is moved on to the City Council and the Mayor for their approval of the project. (If an area starts the petition process and the project does not move forward, no part of that area may start another petition effort for 2 years after the initial petition submittal date.)
- 9) The Department of Public Works will develop a schedule to complete the lighting project based upon the other workloads, project approval date and the bid process.

End of Useful Life:

The CBD and pedestrian district lighting systems have a useful life of approximately 25-35 years. The City Engineer will determine the end of the lighting system's useful life. Once a lighting system has reached the end of its useful life, the affected area must be re-petitioned to install a new lighting system. Once a system has reached its useful life, the replacement lighting process will be as follows:

Central Business District (CBD)

- 1) The Department of Public Works will send a notice to the Council Member(s) and the property owners of the lighting area. This notice will request a response indicating the preferred option for replacement of the existing system. The options are to:
 - a) remove the old lighting system and install a new high-level system, or
 - b) remove the old lighting system and install a new mid-level or, if appropriate,
 - c) remove the old lighting system and install a new low-level system
- 2) After a response to the notice is received, The Department of Public Works will follow through to install the respective replacement lighting system.
- 3) Assessments will be charged for the removal and replacement of the lighting systems.

Pedestrian District (PD)

- 1) The Department of Public Works will send a notice to the Council Member(s) and the business and/or neighborhood association(s) of the lighting area. This notice will request a response indicating the preferred option for replacement of the existing system. The options are to:
 - a) remove the lighting system and install a new high-level system, or
 - b) remove the lighting system and install a new mid-level system, or
 - c) remove the lighting system and install a new low-level system.
- 2) After a response to the notice is received, The Department of Public Works will follow through to install the respective replacement lighting system.
- 3) Assessments will be charged for the removal and replacement of the lighting systems.

Section 10 -- Park Board Lighting

The City of Minneapolis Department of Public Works operates and maintains the existing lighting systems along Minneapolis parkways. Much of this system is past the useful life and is failing. This is becoming costly to operate, repair and maintain. Minneapolis Department of Public Works recommends that the Minneapolis Park Board implement a plan to upgrade the parkway lighting system so that it is more reliable and cost efficient to operate and maintain. The Department of Public Works will work with the Park Board, offer technical expertise, general guidance and incorporate the Park Board Lighting System into this Street Lighting Policy.

System Standards

To be determined by Park Board
(See Attachment 18- Parkway Lighting)

Cost

To be determined

Process for installation

To be determined

Useful Life

To be determined