

**Summary**  
**Board Bill Number 49**  
**As Amended on the Floor**  
**Aldерwoman Anne Schweitzer**  
**June 18, 2026**

An Ordinance recommended by the Planning Commission amending the Zoning Code to add Section 26.77 creating comprehensive zoning regulations for Data Centers. Approved by the Planning Commission on June 10, 2026; and containing a severability clause.

**BOARD BILL NUMBER 49 AS AMENDED ON THE FLOOR INTRODUCED BY  
ALDERWOMAN ANNE SCHWEITZER  
COSPONSORS: PRESIDENT MEGAN GREEN/ALDERWOMAN ALISHA  
SONNIER/ALDERWOMAN SHAMEEM CLARK HUBBARD/ALDERMAN SHANE  
COHN/ALDERMAN MICHAEL BROWNING/ALDERMAN BRET NARAYAN**

An Ordinance recommended by the Planning Commission amending the Zoning Code to add Section 26.77 creating comprehensive zoning regulations for Data Centers. Approved by the Planning Commission on June 10, 2026; and containing a severability clause.

**WHEREAS**, data centers are a unique land use that requires specialized zoning regulation to protect the health, safety, and general welfare of the City of St. Louis; and

**WHEREAS**, data centers do not currently have a definition in the City’s Zoning Code, and had historically been regulated as “office” or “warehousing;” and

**WHEREAS**, a new zoning definition will allow for specific regulations to be applied to data centers; and

**WHEREAS**, data centers can have many impacts on surrounding properties and residents through emissions of noise, heat, and air pollution; and

**WHEREAS**, data centers can also strain local infrastructure if not appropriately designed or their impacts are not appropriately mitigated through investment in local infrastructure; and

**WHEREAS**, the immense power demands of data centers may conflict with adopted elements of the City’s Comprehensive Plan if not met sufficiently through renewable power sources and protections from local pollutants.

**BE IT ORDAINED BY THE CITY OF ST. LOUIS AS FOLLOWS:**

That by and through this ordinance this Board seeks to amend the Zoning Code to add Section 26.77 creating comprehensive zoning regulations for Data Centers.

**SECTION ONE.** The following Section 26.04.010 Title, of Chapter 26.04 is hereby amended to include 26.77 Data Centers.

**26.77.010 Title.**

Chapters 26.04 through 26.100 shall be known and cited as "the Zoning Code" and shall consist of the following chapters:

| <b>Chapter</b> | <b>Description</b>                                   |
|----------------|------------------------------------------------------|
| 26.04          | Citation and Purposes                                |
| 26.08          | Zoning Definitions                                   |
| 26.12          | Zoning Districts and Boundaries                      |
| 26.16          | General Zoning Regulations                           |
| 26.20          | "A" Single-Family Dwelling District                  |
| 26.24          | "B" Two-Family Dwelling District                     |
| 26.28          | "C" Multiple-Family Dwelling District"               |
| 26.32          | "D" Multiple-Family Dwelling District                |
| 26.36          | "E" Multiple-Family Dwelling District                |
| 26.40          | "F" Neighborhood Commercial District"                |
| 26.44          | "G" Local Commercial and Office District             |
| 26.48          | "H" Area Commercial District                         |
| 26.52          | "I" Central Business District                        |
| 26.56          | "J" Industrial District                              |
| 26.60          | "K" Unrestricted District                            |
| 26.64          | "L" Jefferson Memorial District                      |
| 26.66          | Bed and Breakfast Districts                          |
| 26.68          | Comprehensive Sign Control Regulations               |
| 26.70          | Marijuana Uses                                       |
| 26.72          | Regulated Uses                                       |
| 26.73          | Special Use Districts                                |
| 26.74          | Off-Street Parking and Loading in Dwelling Districts |
| 26.75          | Special Residential Uses                             |
| 26.76          | Short-Term Rentals                                   |
| <b>26.77</b>   | <b>Data Centers</b>                                  |
| 26.80          | Use, Height, and Area Exceptions                     |
| 26.82          | Form-Based Districts                                 |
| 26.84          | Board of Adjustment                                  |
| 26.88          | Zoning Administrator                                 |

|        |                                                   |
|--------|---------------------------------------------------|
| 26.92  | Changes and Amendments                            |
| 26.96  | Plats, Certificates of Occupancy, and Survey Fees |
| 26.98  | Fee Schedule                                      |
| 26.100 | Violations                                        |

**SECTION TWO.** The following definition(s) are hereby added to Chapter 26.08 of the Revised Code:

**26.08.109 - Data Center; Backup Generators; Baseline Noise Level; Cool Roof; Data Center, Major; Data Center, Micro; Data Center, Standard; District Energy System; Green Roof; Local Renewable Energy Credits (RECs); Bundled Renewable Energy Credits (RECs); Unbundled Renewable Energy Credits (RECs); Maximum Power Demand; Public Impact Agreement; Renewable Energy; Server Room; Transit Center. See Chapter 26.77 for definitions.**

**SECTION THREE.** The following new Chapter, pertaining to Data Centers, to be codified as Chapter 26.77 of the Revised Code, is hereby added to Title 26 of the Zoning Code:

**Chapter 26.77 Data Centers**

**26.77.010 Purpose.**

The purpose and intent of this Chapter 26.77, Data Centers, is to define and address the location, establishment, application requirements, and standard conditions for data centers in order to ensure the health, safety, and general welfare of the residents of the City of St. Louis. This chapter seeks to allow for responsible, predictable development of data centers and associated infrastructure, to encourage best practices, limit negative impacts, and establish a foundation for monitoring and accountability.

**26.77.020 Definitions.**

- 1        1. ***Backup Generators:*** Backup Generators means engines that are designed to be used for  
2        utility power outages to provide continuous electricity, preventing data loss, and service  
3        disruption.
- 4        2. ***Baseline Noise Level:*** Baseline noise level means a measure of noise, taken at the property  
5        line pre-application, that establishes dBA and dBC noise levels averaged over a 60-minute  
6        measurement period. Measurements shall include daytime levels (e.g., taken between 7:00  
7        a.m. and 1:00 p.m.,) and nighttime levels (i.e., taken between 10:00 p.m. and 7:00 a.m.).
- 8        3. ***Bundled Renewable Energy Credits (RECs):*** Means RECs that a customer received from  
9        a renewable generating facility where the attribute is provided with the actual renewable  
10       generation from a renewable facility located within the utility service territory, the State of  
11       Missouri, or MISO, and retired on behalf of the facility.
- 12       4. ***Cool Roof:*** Cool Roof means a roofing system designed to reflect more sunlight and emit  
13       absorbed heat with a minimum Solar Reflectance Index of 90.
- 14       5. ***Data Center:*** Data Center means a facility used primarily for the storage, management,  
15       processing, and transmission of digital data and that houses computer or network  
16       equipment, systems, servers, appliances, and other associated components related to digital  
17       data storage, processing, and related operations. Data center uses include data storage  
18       facilities, server farms, artificial intelligence training or processing, image processing,  
19       cloud computing, email servicing, and similar uses. A Data Center may be a primary or  
20       secondary use.

- 1        6. **Data Center, Major:** Major Data Center means a data center with square footage greater  
2        than 250,000 and less than 500,000, or with a Maximum Power Demand of 30 megawatts  
3        or more.
- 4        7. **Data Center, Micro:** Micro Data Center means a data center with square footage less than  
5        10,000 gross square feet and Maximum Power Demand less than 5 megawatts.
- 6        8. **Data Center, Standard:** Standard Data Center means a data center with square footage of  
7        more than 10,000 gross square feet and less than 250,000, and Maximum Power Demand  
8        of more than 5 megawatts but less than 30 megawatts.
- 9        9. **District Energy System:** District Energy System means the Downtown Steam Distribution  
10       System and/or the planned Chilled Water Loop.
- 11       10. **Green Roof:** Green Roof means a vegetated roofing system which is functionally  
12       integrated onto a roof area.
- 13       11. **Institutional Campus:** Institutional Campus means one or more adjoining parcels under  
14       common ownership, occupied by a use permitted or conditionally permitted as a medical  
15       institution for higher education or research purposes under this Zoning Code, along with  
16       directly related support uses.
- 17       12. **Maximum Power Demand:** Maximum Power Demand means the facility's highest level  
18       of connected electricity load, in megawattage, for critical IT and building systems and  
19       equipment, via a single point of interconnection with an electric service provider.
- 20       13. **Public Impact Agreement:** Public Impact Agreement means a binding contract for the  
21       purpose of protecting the health, safety, and welfare of the residents of the City.

1 14. **Renewable Energy:** Renewable Energy means energy derived from wind, solar,  
2 geothermal, or other non-depleting sources of renewable energy.

3 15. **Server Room:** Server room means an accessory facility with less than 1 megawatt in  
4 Maximum Power Demand that supports routine functions of the primary use. Server rooms  
5 are not subject to the requirements of this Chapter 26.77.

6 16. **Transit Center:** Transit Center means a location where Metro operates a major hub for  
7 MetroBus and/or MetroLink stops as identified by their System Maps. Individual bus stops  
8 are not Transit Centers.

9 17. **Unbundled Renewable Energy Credits (RECs):** Means RECs that a customer received  
10 from a renewable generating facility where the attribute is provided without the  
11 accompanying renewable energy generation; however, the attribute must be from a  
12 renewable energy generating facility located within the utility service territory, the State of  
13 Missouri, or MISO, and retired on behalf of the facility.

14 **26.77.030. Use Table.**

15 The following Use Table lists how Data Centers are regulated in the various existing zoning  
16 districts. Within the table, the user can identify the type of Data Center and how the facility  
17 is regulated under each zone, thus identifying whether the use is Permitted (P), whether it  
18 requires a Conditional Use Permit (C), or whether it is prohibited (NA).

| Use                  | A - E | F  | G  | H  | I  | J  | K | L  |
|----------------------|-------|----|----|----|----|----|---|----|
| Micro Data Center    | NA    | NA | NA | C  | C  | C  | C | C  |
| Standard Data Center | NA    | NA | NA | NA | C  | C  | C | NA |
| Major Data Center    | NA    | NA | NA | NA | NA | NA | C | NA |

19 **26.77.040 Application Requirements.**

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**Board Bill Number 49**

**As Amended on the Floor**

**Schweitzer**

**June 18, 2026**

1       A. An applicant seeking a permit for any new data center or expansion must include the  
2       following information as part of their application submission:

- 3           1. The classification of the proposed data center (i.e., Micro, Standard, or Major).
- 4           2. Elevations and interior floor plans indicating areas dedicated to data center  
5           functions and areas planned for other uses (e.g., office, retail, research, etc.), if  
6           relevant. Elevations shall include indications of exterior building materials, as well  
7           as images and descriptions of adjacent building materials.
- 8           3. Site plan clearly identifying the building and its square footage, the location of  
9           Backup Generators and cooling equipment, fuel storage and fuel type, parking,  
10          landscaping, overhead power (e.g., transmission, distribution lines), on-site battery  
11          storage and battery type, on-site substations, any on-site power generation (e.g.,  
12          solar, wind, etc.), other noise and light-emitting structure and equipment, and any  
13          additional critical infrastructure or equipment.
- 14          4. The applicant shall submit a fuel delivery and refueling plan demonstrating that all  
15          fuel deliveries and refueling activities will occur on the property and not take place  
16          in the public right of way.
- 17          5. Clear annotation, on the site plan or a separate drawing, denoting setbacks for Data  
18          Center buildings, Backup Generators, and other noise- and light-emitting  
19          infrastructure.
- 20          6. Megawattage of Maximum Power Demand.

1           7. The facility's proposed cooling system, sources of energy, and whether the facility  
2           plans to provide its own energy, or to meet its power demands through renewable  
3           sources.

4           8. A scope, schedule, and budget for implementation of the renewable energy  
5           threshold.

6           9. Whether the applicant has: an executed an Interconnection Study Agreement,  
7           Construction Agreement, and/or Electric Service Agreement with an electric  
8           service provider; has received a Will Serve letter from an electric service provider;  
9           and/or has proof of on-site, connected to the grid generation or behind the meter  
10          that demonstrates how the applicant will meet renewable energy thresholds. If so,  
11          the applicant shall provide copies in their application.

12          B. An applicant seeking a permit for any Standard Data Center or Major Data Center must  
13          also include the following information:

14           1. Anticipated end users of the data center, and purpose of the proposed facility, such  
15           as: data storage; cloud computing; general artificial intelligence; cryptocurrency  
16           mining; surveillance; large language model training; or other business applications.

17           2. Map indicating the location of any new substations or substation upgrades required  
18           for the data center, and the location of new power lines serving the proposed data  
19           center. (Any on-site power generation, outside of renewable and backup power  
20           sources, shall be prohibited.)

21           3. The number, size, fuel source, and anticipated testing schedule for Backup  
22           Generators.

4. An assessment of any flood risk to the proposed site, and planned mitigation efforts.
5. The expected timeline for commencing construction and operation of the facility.
6. Baseline noise levels, as measured by a third-party noise measurement professional approved by the city expected noise levels to be generated by the proposed facility's cooling systems, turbines, load banks, and Backup Generators, a proposed testing schedule designed to minimize air quality problems and noise impacts, and the proposed facility's planned sound attenuation and noise reduction measures to limit the emission of noise and prevent disturbances to nearby residents.
7. Fire detection and suppression systems that will be installed at the proposed facility.
8. Whether the user plans to participate in any renewable energy or virtual power plant program, have any onsite renewable energy generation and/or storage, or purchase any Renewable Energy Credits (RECs).
9. Anticipated annual water use and anticipated or committed Power Usage Effectiveness (PUE) and Water Usage Effectiveness (WUE) for both peak and average annual demand.
10. Intent to participate in the state's sales tax exemption program.
11. If new construction, whether and how the proposed facility building's facade, height, massing, and orientation will be designed to be compatible with adjacent properties and the surrounding area.

C. An applicant seeking a conditional use permit for any Major Data Center must also include the following information:

1. A detailed description of sources and uses of financing for the development.

2. Any community benefits offered by the proposed facility or its operators.
3. An environmental impact report prepared by a third-party credentialed professional environmental engineer selected by the City of St. Louis describing:
  - a. Anticipated emissions, and air and water quality impacts, and any plans to mitigate impacts;
  - b. Anticipated heat emissions and heat plumes generated by the proposed facility, and any plans to mitigate impacts; and
  - c. Anticipated stormwater impacts and mitigation.
4. An economic impact report prepared by a third-party credentialed professional entity describing:
  - a. The amount of tax revenue local taxing jurisdictions is anticipated to receive as a result of the proposed development; and
  - b. The number of construction jobs and permanent jobs associated with the data center.
5. Plans to remove infrastructure and equipment from the site should the data center cease operation.
6. A letter of attestation from the electricity provider describing any impacts to ratepayers or grid reliability of required new power generation or other infrastructure upgrades to serve the project.
7. Documentation of having advertised and held at least one meeting with community members during which project information is shared, feedback is invited, and questions are answered. All information and documents presented at such a meeting

1 shall be made publicly available and must be submitted during the application  
2 process.

3 a. Advertisement: Such a meeting is to be advertised no fewer than 15 days  
4 prior to the meeting's date, with notification provided by email to all  
5 Registered Neighborhood Organizations having a geographical boundary  
6 within a one mile radius of the proposed data center; by email to all  
7 Neighborhood Improvement Specialists; by email to relevant City  
8 departments and agencies (i.e., Planning & Urban Design Agency, Health  
9 Department, Zoning Section of the Building Division, St. Louis  
10 Development Corporation); by mail to all residents and property owners  
11 within a 1,000 foot radius of the subject property; and by email to all state  
12 and local elected officials representing residents of the surrounding 1 mile  
13 of the proposed location.

14 b. Meeting: The meeting shall include a presentation of project details required  
15 for application, commitments to mitigate impacts to residents and to the  
16 environment, and a question and answer period. All major areas of  
17 community concern, questions, and feedback shall be documented and  
18 provided to the City as part of the application.

19 c. Feedback Period: During a minimum of 30 days following the Meeting, the  
20 applicant shall invite and document community feedback. Applications  
21 shall not be submitted within a minimum of 30 day Feedback Period.

1 D. In the event that an applicant is unable to provide any of the above information, the  
2 applicant shall, in writing as part of their application, indicate that they are unable to  
3 provide the information and also describe the reason this information cannot be provided.  
4 It shall be acceptable to exclude required information if it is confidential according to state  
5 or federal law.

6 **26.77.050 Site Requirements, Design Requirements, and Standard Conditions.**

7 Data Centers shall comply with the following site requirements, design requirements and  
8 standard conditions:

9 a. Location Requirements

10 i. Data Center buildings, Backup Generators, and other associated noise- or  
11 light-emitting infrastructure shall have the following setbacks from the lot  
12 lines of parcels zoned A, B, C, D, E, F, and G, parcels containing a light  
13 rail station or transit center, and parcels containing a school or public park:

- 14 1. 150 feet for Micro Data Centers;
- 15 2. 300 feet for Standards Data Centers; and
- 16 3. 600 feet for Major Data Centers.

17 ii. Data Centers may only be permitted if their location substantially aligns  
18 with the Strategic Land Use Plan of the City's Comprehensive Plan.

19 iii. Institutional Data Center Provision. A Data Center that exclusively serves  
20 an Institutional Campus may be located on that same campus provided  
21 that:

- 22 1. The Data Center is not a colocation or commercial facility serving

1 outside users;

2 2. The Data Center is a Micro or Standard Data Center; and

3 3. The setbacks in subsection (a)(i) continue to fully apply to parcels  
4 containing a light rail station or transit center, and parcels  
5 containing a school or public park on all parcels outside of the  
6 Institutional Campus.

7 b. Area Standards

8 i. The facility shall comply with the Height and Setback limitations of the  
9 underlying zoning district.

10 ii. The facility shall provide 1 off-street parking space for every 5 permanent  
11 employees.

12 iii. In the H, I, and L Districts:

13 1. A new Data Center within a building within 300 feet of an existing  
14 Data Center may only be allowed if the data center use comprises  
15 less than 30 percent of the gross square footage of a structure. Data  
16 Center uses on the same parcel as the proposed new Data Center  
17 do not trigger this 30 percent cap. An applicant may exceed the  
18 foregoing 30 percent cap only if the applicant: (1) makes available  
19 for lease to active uses such as office, retail, or institutional uses,  
20 100 percent of the net leasable square footage of the ground floor  
21 of the data center building, exclusive of lobby, mechanical closets,  
22 loading docks, or building infrastructure space; and (2) enters into

an agreement with the City detailing the community benefits provided by the project as part of the conditional use permit.

2. At least 50 percent of the gross ground floor area of any building with street frontage shall be reserved for active uses such as office, retail, institutional uses, and residential amenities, and shall not be used for inside storage or vehicle parking. For the purposes of this section, a building with street frontage is any building located within 50 feet of a street right-of-way line.

c. Noise and Vibration Controls

- i. The facility shall have no unabated nuisance violations.
- ii. The facility shall be subject to provisions of Ordinance 68130 or its successor.
- iii. Noise levels shall not exceed 5 dBC above the Baseline Noise Levels, as measured from the property line, as reported prior in the application, during standard operation. If Baseline Noise Levels exceed what is permitted by the noise ordinance (Ordinance 68130), or if the noise ordinance does not establish a specific dBA level for the relevant zoning district, then noise levels shall not exceed 5 dBA or dBC above the Baseline Noise Levels.

d. Building Systems & Equipment Design & Screening

- i. The building shall be designed and operated with a Cool Roof, Green Roof, or rooftop photovoltaic solar panels to reduce urban heat impacts.

- 1                   ii. All exterior equipment and equipment areas shall be visually screened in  
2                   order to limit visibility from the right of way, adjoining parcels, and  
3                   nearby thoroughfares or highways.
- 4                   iii. Noise-emitting equipment, such as Backup Generators, shall be physically  
5                   enclosed within acoustically treated structures and placed away from  
6                   primary frontages.
- 7                   1. For the purposes of this provision enclosed shall include sound  
8                   attenuated or soundproof enclosures that are standard for the  
9                   original equipment manufacturer.
- 10                  iv. All exterior and rooftop cooling equipment, and any other infrastructure to  
11                  provide a visual and acoustic barrier from the property line and  
12                  surrounding area, shall be enclosed or screened. Enclosures and screens  
13                  shall be opaque to obstruct from view and reduce frequency and  
14                  vibrations.
- 15                  v. On-site stand-alone fuel storage shall be visually and physically screened  
16                  behind a masonry wall, and set back at least 30 feet from the property line,  
17                  and installed on an engineered concrete pad designed with spill  
18                  containment.
- 19                  e. Site & Urban Design Standards
- 20                  i. All principal and accessory structures and energy systems associated with  
21                  a Data Center shall be arranged, designed, and constructed to be  
22                  harmonious and compatible with the site and with the surrounding

properties. Data Centers that visually approximate commercial office buildings are encouraged. All Backup Generators and other external equipment shall be located to the side or rear of the Data Center building.

ii. Properties shall be well landscaped. A tree lawn not less than 3 feet in width along all public streets shall be required where setbacks, underground infrastructure, and available right of way make it practicable, and where this subsection does not conflict with streetscaping designs or plans of the Board of Public Service, a Community Improvement District, or other formal political subdivision or tax district in which the Data Center is located. Street trees shall be installed in the tree lawn, between the public sidewalk and public street, when the tree lawn has sufficient width, or street trees with grates shall be installed in public sidewalks where the sidewalk has sufficient width with a maximum of 25 feet between trees. All street trees shall be irrigated. In the K district, Data Centers may install a landscape berm as an alternative to a tree lawn. Additional landscaping requirements may be included in a Public Impact Agreement.

iii. Surface parking shall be placed at the rear or side of the building and shall not extend beyond the established building line.

iv. Primary structures shall include these design features:

1. Windows, doors, or similar fenestration shall be distributed both horizontally and vertically and comprise at least 30 percent of the

1                   façades.

2                   2. Glass transparency on windows shall be greater than 80 percent.

3                   Faux windows and covered windows are prohibited.

4                   3. Signs must meet the requirements of the underlying code.

5                   4. At least one main entrance that projects or is recessed from the  
6                   main building plane, and is differentiated from the remainder of  
7                   the building façade, is required.

8                   5. Exterior materials shall be compatible in type and texture with the  
9                   dominant materials of adjacent buildings. Artificial masonry, EIFS,  
10                  and cementitious fiberboard are not permitted.

11                  6. All loading and unloading areas, including overhead doors, shall  
12                  be oriented towards the side or rear property lines away from  
13                  public roadways. Loading docks are not permitted in the front or  
14                  street side yards and shall not be oriented towards the front  
15                  property line.

16                  7. Projects located in local historic or form-based districts are subject  
17                  to the design standards of that district.

18           f. Water Responsibility

19                  i. The facility shall not operate with a cooling system that solely relies on  
20                  Evaporative Cooling. Evaporative Cooling means a highly water-intensive  
21                  process that uses water evaporation to cool air for the facility's  
22                  temperature regulation.

- ii. The facility shall achieve and maintain compliance with all wastewater discharge standards set by the Metropolitan St. Louis Sewer District.
  - iii. Applicants for Standard and Major Data Centers shall enter into written agreement(s) with the St. Louis City Water Division to:
  - iv. Fund any and all fees required for data centers or new large load users that could be identified out of a cost of service study prior to receiving a building permit.
  - v. Fund any and all system impact fees required for data centers or new large load users that could be identified out of a cost of service study including the cost of a hydraulic model study and rectifying any detrimental impact on existing customers determined by the study prior to receiving a building permit. Prior to a cost of service study's completion, an agreement may also establish a short-term rate.
- g. Backup Power Systems
- i. All Data Center applicants are encouraged to minimize the use of diesel, and maximize the use of batteries or natural gas as backup power sources.
  - ii. Except for Backup Generator testing or commissioning activities, Backup Generator use is limited to backup/emergency use only. Backup Generators may never be used as a general operating power source for day-to-day operation of the facility. The facility may not commence operation until complete electric service is provided to the site, and Backup Generators may not be used as a power source in the event of a

1 delay in electric service.

2 iii. Backup Generators shall be fully enclosed within the primary structure or  
3 an exterior structure, except for penetrations necessary for the safe and  
4 lawful operation, maintenance, or testing of the generator and its  
5 supporting systems, including but not limited to intake air, exhaust,  
6 cooling, fuel, fluid and electrical connections.

7 iv. Backup Generators shall utilize the cleanest certified emissions tier.  
8 Certificates of Conformity demonstrating Tier 4 / NSPS Subpart IIII  
9 requirements (if diesel), or level of certification (if not diesel), of all  
10 equipment shall be provided prior to any such equipment's testing or use.

11 v. Backup Generators shall meet the performance requirements of the most  
12 recent National Fire Protection Association (NFPA) standards for  
13 Emergency and Standby Power Systems.

14 vi. Backup Generators shall be tested only between 10am and 5pm, Monday  
15 through Friday.

16 vii. Backup Generators shall not be tested on days when the St. Louis Air  
17 Quality Index (AQI) is above 50.

18 h. Environment, Energy & Infrastructure Standards

19 i. As practicable, facilities shall achieve and maintain LEED certification or  
20 certification through a similar green building program for the direction of  
21 the data center's operation.

22 ii. Facilities shall achieve and maintain a peak Power Usage Effectiveness

(PUE) of 1.35 or better.

iii. Facilities shall dispose of all electronic waste in an environmentally appropriate manner through the duration of the data center's operation, and maintain an active contract with an R2-certified (Responsible Recycling) or e-Steward certified contractor.

iv. Facilities shall not commence operation until a letter verifying adequate power capacity and infrastructure to serve the facility is provided by an electric service utility.

v. Facilities shall connect to District Energy Systems if located within 50 lineal feet of an existing District Energy System line existing at the time of submission for zoning approval.

vi. Facilities shall not commence operation until a District Energy Willing to Serve letter from a district energy provider is provided. Such a letter shall confirm the system is prepared to extend service to the site, or serve as a written waiver explaining why extension is not feasible.

vii. Facilities shall, when feasible, use battery storage for electrical load for ancillary, non- data processing uses such as lighting and outlets in an adjacent office space.

viii. All outdoor lighting shall meet the standards of the Dark Sky Initiative or other Bird City recommendations to reduce light pollution.

ix. Facilities shall ensure any heat plumes created by the facility are adequately dispersed at the property line to avoid adverse impacts on the

1 health or well-being of individuals outside of the property.

2 x. Standard and Major Data Centers:

- 3 1. Before an occupancy permit is issued, facilities shall seek commitments  
4 from the electric utility or renewable energy generated on-site and/or  
5 battery storage to supply, according to the below schedule, certain  
6 percentages of the data center's energy load. Facilities must present  
7 annual compliance progress reports documenting efforts to build, secure,  
8 contract, or otherwise purchase renewable energy and renewable energy  
9 credits to comply with this provision.
- 10 2. Before an occupancy permit is issued, the facility shall demonstrate its  
11 ability to begin operation with a minimum of 25 percent of its annual  
12 electricity consumption from renewable energy through any combination  
13 of Bundled and Unbundled RECs retired on behalf of the facility, and/or  
14 on-site renewable energy generation and storage. Bundled RECs shall be  
15 obtained through the electric utility's renewable energy programs, PSC  
16 approved renewable energy programs, clean energy riders, the electric  
17 utility's renewable generation portfolio **required under 393.1030 RSMo**,  
18 including participation in virtual power plant programs.
- 19 3. The facility shall achieve and maintain at least 50 percent of its annual  
20 electricity consumption from renewable energy by the end of its 5th year  
21 in operation through at least 25 percent Bundled RECs and/or on site  
22 renewable energy generation and storage, and up to 25 percent Unbundled

1 RECs retired on behalf of the facility. Bundled RECs shall be obtained  
2 through the electric utility's renewable energy programs, PSC approved  
3 renewable energy programs, clean energy riders, the electric utility's  
4 renewable generation portfolio **required under 393.1030 RSMo**,  
5 including participation in virtual power plant programs.

6 4. The facility shall achieve and maintain 100 percent of its annual electricity  
7 consumption from renewable energy by the end of its 10th year in  
8 operation through at least 75 percent Bundled RECs and/or on-site  
9 renewable energy generation and storage, and up to 25 percent Unbundled  
10 RECs retired on behalf of the facility. Bundled RECs shall be obtained  
11 through the electric utility's renewable energy programs, PSC-approved  
12 renewable energy programs, clean energy riders, utility's renewable  
13 generation portfolio **required under 393.1030 RSMo**, including  
14 participation in virtual power plant programs.

15 5. For each megawatt-hour of annual electricity consumption by which the  
16 facility fails to meet the applicable renewable energy requirement, a  
17 facility failing to meet the 5-year compliance deadline shall be subject to a  
18 noncompliance penalty of 125 percent of the average market rate for a  
19 bundled, retired REC from the MISO region until the shortfall is cured.  
20 For a facility failing to meet the 10-year compliance deadline, the  
21 noncompliance penalty shall be 300 percent of the average market rate for  
22 a bundled, retired REC from the MISO region until the shortfall is cured.

1                   **If the electric utility is verifiably unable to meet the requirements in**  
2                   **supplying any portion of the data center’s energy load from**  
3                   **renewable sources, a facility that petitions the Board of Public Service**  
4                   **and provides documentation of the amount of and reasons for the**  
5                   **shortfall will be held harmless from penalties if the facility abides by**  
6                   **the terms of the waiver, and may receive, with the Board’s discretion,**  
7                   **either an additional extension of time or an exemption to the**  
8                   **unbundled/bundled REC cap. Facilities utilizing the exemption to the**  
9                   **unbundled/bundled REC cap must reapply for this exemption every 5**  
10                  **years, to certify that the facility is still unable to receive enough**  
11                  **unbundled/bundled RECs through the electric utility to meet these**  
12                  **requirements. At any time, if additional unbundled/bundled RECs**  
13                  **become available to further reduce the facility’s compliance shortfalls,**  
14                  **the Board shall establish a modified compliance schedule for meeting**  
15                  **the renewable requirements.**

16                  i.   Reporting Requirements for Standard and Major Data Centers

- 17                      i.   Facilities shall comply with all applicable environmental, energy, water,  
18                      and other reporting requirements established by the City.
- 19                      ii.   The interim reporting requirements established under subsection (iii) shall  
20                      expire and be of no further force or effect upon the effective date of a City  
21                      ordinance governing Data Center Environmental Impact Monitoring.
- 22                      iii.   The following interim reporting requirements shall apply to Standard and

Major Data Centers:

1. Energy: Annually report the total energy consumption of the facility to the Office of Building Performance, with copy to the Zoning Administrator.
2. Noise: Annually provide a report to the Health Director/Commissioner (or his/her designee), with copy to the Zoning Administrator, a third-party report, created by an entity acceptable to the Health Director/Commissioner, of noise emissions to verify compliance with relevant standards and identify other issues and mitigation strategies. The first annual report shall occur within 30 days of the data center commencing operation. Subsequent annual reports shall reflect readings taken between the months of June and August, and submitted by September 30. Readings should be taken at the parcel line of all joining parcels or parcels directly across a street or alley from the parcel containing the data center, and shall compare noise levels to daytime and nighttime Baseline Noise Levels. The report shall include a measure of both dBA and dBC sound levels.
3. Heat Impacts: Annually report waste heat rejected to the outdoor environment to the Executive Director of the Planning and Urban Design Agency or his/her designee, with copy to the Zoning Administrator, the quantity of waste heat recovered or reused, and

1 the dispersion of heat plumes during summer design conditions or  
2 the hottest days of observation in order to assess urban heat  
3 impacts and mitigation strategies.

- 4 4. Renewable Energy: Provide an annual report verifying compliance  
5 with relevant requirements including progress reports documenting  
6 efforts to build, secure, contract, or otherwise purchase renewable  
7 energy and renewable energy credits to comply with this provision.

8 The report shall be submitted to the Executive Director of the  
9 Planning and Urban Design Agency or his/her designee, with copy  
10 to the Zoning Administrator, no later than July 30 of each year.

- 11 5. Air Quality: All reports to the Missouri Department of Natural  
12 Resources verifying compliance with Clean Air Act and Air Permit  
13 standards, including the actual testing schedule for Backup  
14 Generators during the reported period, shall be shared, via copy, to  
15 the Health Commissioner or his/her designee.

16 j. Public Impact Agreement – Major Data Center

- 17 i. When approving a conditional use permit for a Major Data Center, the  
18 Board of Public Service shall, as an additional condition necessary to  
19 ensure the use complies with the standards of Section 26.80.010,  
20 subsection E, require the applicant to enter into a Public Impact  
21 Agreement with the City. The Director of Public Utilities, or other  
22 departmental director serving on the Board of Public Service who is

1 designated by the Board of Public Service, is authorized to execute on  
2 behalf of the City the Public Impact Agreement in accordance with this  
3 Chapter. A copy of the executed Public Impact Agreement shall be  
4 provided to the Building Commissioner, with a copy to the Zoning  
5 Administrator, before a building permit is granted. If the Board of Public  
6 Service determines that an event constituting default of the Public Impact  
7 Agreement has occurred, it may revoke the conditional use permit in  
8 accordance with the procedure in Section 26.100.030.

9 ii. The contents of the Public Impact Agreement shall be determined based on  
10 the site-specific context of the Major Data Center and its anticipated  
11 impact on adjacent parcels, occupants and public infrastructure. For the  
12 purpose of protecting the health, safety, and welfare of the surrounding  
13 community and residents of the City, the contents of the Public Impact  
14 Agreement may address issues, including but not limited to:

15 1. Providing tangible benefits to the community by mitigating site-  
16 specific impacts on adjacent land use, public infrastructure and the  
17 general welfare, such as: noise; air quality; energy usage, including  
18 the percentage of energy derived from clean energy sources; water  
19 usage; and wastewater treatment and disposal. Benefits to the  
20 community:

21 2. May be in the form of the dedication of lands for public use or  
22 impact fees; and

3. Must be related to the Data Center development activities that are the subject of the application; and
4. Must be supported by an individualized determination that the benefit to the community is roughly proportional in scale to the impact being addressed. The individualized determination shall be made by the Board of Public Service, or a departmental director serving on the Board of Public Service designated by the Board of Public Service.
5. Additional provisions related to site design, as determined by the Board of Public Service to satisfy the standards of Section 26.80.010, subsection E, and which address site design aspects of the Data Center such as: Landscaping; Buffer, screening and fencing; Exterior lighting; Thermal heat mitigation; Cooling systems; and Backup Generators.
6. Long-term operational commitments, such as: Noise testing; Electronic waste disposal; Decommissioning; Community feedback and engagement commitments before and during operations; and Emergency management.
7. Enforcement, including that the agreement may be enforced by revocation of the applicant's conditional use permit and other remedies available at law.

iii. The requirements contained in this Chapter applicable to Major Data

Centers shall be considered minimum standards which may be modified upon mutual agreement of the City and the applicant.

iv. No provision in a Public Impact Agreement shall be construed as a binding promise by the City to refrain from independent exercise and enforcement of the Zoning Code.

v. The Public Impact Agreement shall be approved by both a simple majority, meaning more than one-half (1/2) of the votes of the Board of Public Service; and shall also be approved as a Resolution by at least two-thirds (2/3) of the votes of the Board of Aldermen, prior to the granting of a building permit.

vi. Public comment on the Public Impact Agreement must be accepted during the conditional use hearing process prior to the approval by the Board of Public Service and by the Board of Aldermen.

#### **26.77.060 Applicability.**

Unless expressly stated otherwise, Data Centers shall demonstrate compliance with the standards in this Chapter prior to the issuance of a building permit for development, modification, or expansion as set forth below:

a. **New Facility.** Full compliance is required for new Data Centers. New data center occupants within existing Data Center buildings are addressed by Section 26.77.060.d.

b. **Expansions.** For Data Centers approved by conditional use permit under the provisions of this Chapter, full compliance is required for any enlargements, structural alterations, or increase in data center size classification (i.e., Micro,

Standard, or Major).

c. **Expansions of Existing Nonconforming Structures.** Full compliance is required for any physical expansion or enlargement of a structure lawfully existing and occupied by or used as a Data Center on the Effective Date of this Chapter. However, structural alterations which do not enlarge the physical exterior footprint of the existing structure or height shall not trigger full compliance with the provisions of this Chapter. Instead, such alterations shall trigger compliance solely with the following standards:

i. Section 26.77.050.c: Noise and Vibration Controls;

ii. Section 26.77.050.d: Building Systems & Equipment Design

& Screening, solely applicable in relation to new equipment or new

Backup Generators associated with the structural alteration; the

enclosure structures for Backup Generators can include sound

attenuated enclosures supplied by the generator manufacturer or an

equivalent product; the Cool Roof, Green Roof, or rooftop

photovoltaic solar panel requirement shall only be applicable when

structural alterations are made to the roof; and (v) shall not apply to

existing fuel tanks or replacement fuel tanks as long as the replacement

tanks are comparable in terms of capacity, size, and character to the

existing fuel tanks and no structural alteration is made for the fuel tank

replacement;

iii. Section 26.77.050.g Backup Power Systems, solely for any new

Backup Generators associated with structural alterations; with the

exception that new Backup Generators shall utilize at least Tier 2

1                    /NSPS Subpart IIII (if diesel), or level of certification (if not diesel), of  
2                    all equipment shall be provided prior to any such equipment's testing or  
3                    use; the enclosure structures for Backup Generators can be satisfied with  
4                    sound attenuated enclosures supplied by the generator manufacturer or an  
5                    equivalent product;

6                    iv.      Section 26.77.050.h.ii-iii: Electronic waste disposal requirements

7                    and except that legal non-conforming facilities shall target a goal of PUE  
8                    of 1.35 or better and submit reports of the facility's peak PUE for the  
9                    preceding year and annualized PUE by May 1st each year, if possible;

10                  v.      Section 26.77.050.h.x: Applicants shall only be required to submit a scope,  
11                  schedule, and budget for implementation of voluntary renewable energy use  
12                  within the facility; there shall be no minimum renewable energy  
13                  requirement; and

14                  vi.     Section 26.77.050.i: Reporting Requirements for Standard and Major Data  
15                  Centers, shall be applicable solely in relation to new lease(s), licenses, or  
16                  tenant(s) associated with the structural alteration. Reports on renewable  
17                  energy use may be substituted for reports on the Renewable Energy  
18                  Requirements required for new facilities.

19                  If a new structure outside the footprint of the Data Center building is  
20                  constructed for vibration, heat, and noise abatement of new Backup  
21                  Generators or screening of fuel tanks, it shall be deemed a structural  
22                  alteration and shall not be considered a physical expansion or enlargement

1 of an existing Nonconforming Structure. However, when built at grade  
2 along the primary street frontage, such a new structure shall not exceed 30  
3 feet in width along the primary frontage, and shall be designed with exterior  
4 materials that are compatible in type and texture with the dominant materials  
5 of adjacent buildings. Artificial masonry, EIFS, and cementitious fiberboard  
6 are not permitted.

7 **vii. Existing Nonconforming Uses and/or Nonconforming Structures, and**  
8 **Previously Approved Facilities.**

9 a. Subject to the provisions of subsection (c);

10 i. Any Data Center building lawfully in use or approved by  
11 conditional use permit, or any Data Center building tenant,  
12 licensee, or operator in use or operating, as of the Effective Date  
13 of this Chapter shall be considered an existing Nonconforming  
14 Use and/or Nonconforming Structure as defined in Sections  
15 26.08.330 and 26.08.331, respectively, and may be continued  
16 without regard to the provisions of this Chapter, except that  
17 discontinuation or abandonment of a lawfully existing or  
18 approved Data Center shall be subject to the provisions in  
19 Section 26.16.060 (Discontinuing nonconforming use). Legal  
20 nonconforming status shall extend to existing and future lessees  
21 and licensees of a Data Center building.

22 ii. The addition, modification, replacement, removal or increased  
23 capacity of Backup Generators and associated infrastructure  
24 including rooftop dunnage shall not be considered a building  
25 enlargement or structural alteration to an existing Data Center  
26 building.

27 iii. Nonconforming Use and/or Nonconforming Structure status

1 shall attach to the Data Center building or structure as a whole  
2 and includes all space within such building or structure, whether  
3 leased or licensed (now or in the future) or vacant, together with  
4 all power, cooling, fiber, generator, fuel, screening, enclosure,  
5 and related infrastructure for Data Center uses within such  
6 building or structure.

- 7 iv. Conditional use permits approved prior to the Effective Date of  
8 this Chapter shall remain valid in accordance with their  
9 approved conditions, subject to the time limitation on such  
10 validity as outlined in Section 26.80.010.D.5.

11 **26.77.070 Application Review Process.**

12 The Zoning Administrator shall provide application materials for any Standard or Major  
13 Data Center to the Executive Director of the Planning & Urban Design Agency, the  
14 Commissioner of Health, the Fire Marshall, the Department of Public Utilities, including  
15 its Water Division, the St. Louis Metropolitan Sewer District, relevant district energy  
16 service providers, and the Office of Building Performance. Upon receipt of materials, these  
17 entities shall then have no less than 30 days to review and provide findings and  
18 recommendations to the Zoning Administrator before a recommendation is submitted to  
19 the Board of Public Service. Review by relevant parties may occur in parallel.

20 **26.77.080 Deadline for Review.**

21 The Planning Commission of the City of St. Louis shall take up review of this Chapter no  
22 later than 2 years from the Effective Date of this Chapter 26.77 in order to determine  
23 necessary changes that respond to evolutions in technology or increased understanding of  
24 impacts and opportunities. This review will include an assessment of renewable energy

1 supply and compliance pathways, and an assessment of megawattage thresholds between  
2 data center classifications. This requirement for review is directory and not mandatory. The  
3 failure of the Planning Commission to conduct the review within the timeframe prescribed  
4 herein shall not invalidate, impair, or otherwise affect the legal enforceability, validity, or  
5 operation of this Chapter.

6 **SECTION FOUR. Severability Clause.**

7 It is hereby declared to be the intention of the Board of Aldermen that each, and every part,  
8 section and subsection of this Ordinance shall be separate and severable from each, and  
9 every other part, section, and subsection hereof and that the Board of Aldermen intends to  
10 adopt each said part, section, and subsection separately and independently of any other  
11 part, section, and subsection. In the event that any part, section, or subsection of this  
12 Ordinance shall be determined to be or to have been unlawful or unconstitutional, the  
13 remaining parts, sections, and subsections shall be and remain in full force and effect,  
14 unless the court making such finding shall determine that the valid portions standing alone  
15 are incomplete and are incapable of being executed in accordance with the legislative  
16 intent.

17 **SECTION FIVE. Effective Date.**

18 This Ordinance shall take effect and be in full force thirty (30) days after its approval by  
19 the Mayor, or thirty (30) days after its adoption over the Mayor's veto.