PC Staff Report
03/24/14

ITEM NO. 1: SPECIAL USE PERMIT FOR A PUMP STATION; 547 MAPLE STREET
(SLD)

SUP-14-00007: Consider a Special Use Permit for a Pump Station, located at 547 Maple & 500 Perry St. Submitted by Bartlett & West, for the City of Lawrence, property owner of record.

STAFF RECOMMENDATION: Staff recommends approval of SUP-14-00007, a Special Use Permit for a Pump Station located at 547 Maple Street & 500 Perry Street, a minor utility, based upon the findings presented in the body of the staff report and subject to the following condition:

1. Applicant shall provide a revised site plan with the following changes:
   1. Provide a note on the plan that states lighting fixtures shall be provided with a full cut-off fixture and be directed down. Applicant shall provide lighting fixture details for review and approval prior to issuance of a building permit.
   2. Submission of final building elevations for review and approval prior to issuance of a building permit.
   3. Approval of the Special Use Permit is contingent upon approval of a Floodplain Development Permit. The SUP will be released to Development Services for a building permit after a Floodplain Development Permit application has been approved.

Applicant’s Reason for Request: “The Planning Department has requested a Special Use Permit be submitted to construct a stormwater pump station at this location.”

KEY POINTS
- This pump station is a Minor Utility which serves more than one specific development; therefore approval is required through a Special Use Permit per Section 20-530 of the Development Code.
- Request is to construct the pump station on property owned by the City of Lawrence.
- This pump station is for a stormwater facility to address localized flooding per concerns listed in the North Lawrence Drainage Study, more specifically in System 6.
- This site plan shows both Lots 1 and 2. The proposed improvements will be located on Lot 2. Lot 1 will be retained by the City as open space.
- Funding for project is through the infrastructure sales tax.

FACTORS TO CONSIDER
- Procedural requirements of Section 20-1306; Special Use Permits.
- Improvement is included in the City’s Capital Improvement Plan.

ASSOCIATED CASES/OTHER ACTION REQUIRED
Other action required:
- City Commission approval of the Special Use Permit and adoption of ordinance.
- The approved Minor Subdivision document must be recorded with the Register of Deeds Office prior to release of the Special Use Permit for issuance of a building permit.
• Administrative review and approval of Floodplain Development Permit for development activity associated with the pump station.
• Release of Special Use Permit site plan to Development Services for Building Permits.

ATTACHMENTS
1. Site Map
2. Site Plan
3. Similar buildings in North Lawrence
4. Generator Enclosure

PLANS AND STUDIES REQUIRED
• Traffic Study – Not required for project.
• Downstream Sanitary Sewer Analysis – The City Utility Engineer indicated that a DSSA is not required.
• Drainage Study – Not required for project
• Retail Market Study – Not applicable to project.

PUBLIC COMMENT
• No public comment was received prior to the printing of this staff report.

GENERAL INFORMATION
Current Zoning and Land Use: OS (Open Space) District; undeveloped land and unimproved alley, plans to develop southern portion with a City pump station in process.

Surrounding Zoning and Land Use: To the north: RS7 (Single-Dwelling Residential) District; Detached Dwellings.

To the west: RS7 (Single-Dwelling Residential) District; Detached Dwelling; and IG (General Industrial) District; Detached Dwelling and Inoperable Vehicles Storage.

To the south: IG (General Industrial) District; railroad right-of-way and undeveloped land.

To the east: IG General Industrial) District; Construction Sales and Services, and Detached Dwelling.

Summary of Special Use
This Stormwater Pump Station is a minor utility that serves development in the area. The pump station will include an above grade pump within a structure and a pad site for a backup generator. The presence of floodplain on the property will require a local floodplain development permit.

The pump station is defined as a minor utility in Section 20-1765 of the Development Code:

MINOR UTILITIES. Public utilities that have a local impact on surrounding properties. Typical uses include electrical and gas distribution substations, lift stations, telephone switching boxes, water towers. Excludes Wireless Telecommunication Facilities’ use types.
The proposed improvements will be located on Lot 2 (adjacent to Maple Street) once the Minor Subdivision (MS-13-00507) for this property is recorded with the Register of Deeds Office. The Minor Subdivision has been approved and is pending completion of conditions prior to recording with the Register of Deeds Office.

This application includes Lot 1 which will remain open space. The lot will be planted with trees and shrubs as a transition between the industrial and residential zones in this area.

This proposed improvement is recommended in the North Lawrence Drainage Study and is part of “System 6”. The plan states; “this system contains the Maple Street Pump Station, which discharges stormwater to the south side of the railroad tracks running south of Maple Street.”

### SITE SUMMARY: Includes both Lots 1 and 2. Improvements will be located on Lot 2.

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<th>Existing</th>
<th>Proposed</th>
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<td>Property Area (sq ft):</td>
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<td>25,142 SF</td>
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<td>2,263 SF</td>
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<td>Total Pervious Area (sq ft):</td>
<td>25,142 SF</td>
<td>22,879 SF</td>
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**Site Plan Review**

This property is being replatted from four lots to two lots. The proposed pump station will be located on Lot 2 (adjacent to Maple Street). Lot 1 will remain as open space.

This proposed development will include an open pit at the north end and a building structure for housing the pump units on the south end and an emergency generator on the east side of the site. The following graphic highlights the major above ground elements of the proposed improvement.

![Figure 1: Proposed Site Plan](image)
Landscaping and Screening

*Street Trees:* Street trees are provided along N. 6th Street and Maple Street. The proposed plan is to retain the existing trees and locate underground lines to the east. Street trees are also provided along N. 6th Street and Perry Street for Lot 1 included in the site plan.

*Interior and Perimeter Landscaping:* Interior parking lot standards apply only to lots with 11 or more parking spaces and perimeter landscaping standards apply only to lots with 5 or more spaces. As this use requires only 1 parking space, these standards are not applicable to this project. The parking space is un-striped and accommodated within the paved area of the enclosure. Fencing will be open to allow full visibility and security for the site.

*Buffer Yard Requirements:* This property is zoned OS (Open Space) District. The property abuts OS zoning to the north and IG (General Industrial) District to the east, west and south. With the exception of a residence to the east the surrounding land uses are either industrial or vacant properties. There are no buffer yard requirements for the OS Zoning District.

*Mechanical Equipment:* This facility includes an emergency generator located on the east side of the building. Location of the generator provide optimal efficiency for maintenance and service of the proposed facility. Underground lines and pavement areas make placement of the generator on the west or north side of the property infeasible. The location of the shelter building is set by the two existing underground lines running north to south crossing Maple Street.

Screening for the generator must balance the ability to access the equipment for fueling as needed and provide security to the site by being readily visible from the public streets with the need for visual screening/buffering from the street right-of-way and adjacent residence to the east. It may be possible to add shrubs along the fence line along Maple Street and 6th Street to provide some screening of the generator. The following graphic shows the addition of a fence along with shrubs to provide screening. The plan proposes a 6’ high chain link fence along the perimeter in addition to safety fencing around the pit area at the interior of the site. Staff recommends decorative fencing be provided along the public right-of-way along N. 6th Street and along Maple Street. This is consistent with industrial design guidelines that would be applicable to similar private development applications.

Figure 2: recommended landscape
Lighting
Additional details regarding the site lighting are required. The applicant intends to use building mounted lighting for this site. All lighting fixtures will need to be directed down and be provided with a full cut-off. Staff recommends that, as a condition of approval, prior to the issuance of a building permit, lighting fixture details be provided for staff review and approval.

Applicable Design Guidelines
There are no specific design guidelines applicable to this proposed improvement. Final elevations have not been prepared for this site at this time. The City Stormwater Engineer has indicated that the proposed building will have a similar appearance to other utility pump stations in the immediate area. The following table shows existing pump stations and their general location for a comparison to the proposed facility. The pump station located along N. 2nd Street is most similar to the planned improvement with the open pit and the shelter building. Skylight features provide for crane access to hoist pumps as needed for access or maintenance. The overall building height is estimated to be 15' - 18' tall.

The pump station will be surrounded by an asphalt area to allow full access to the pump station and the pit as needed for maintenance. The City Stormwater Engineer has contacted the North Lawrence Improvement Association representative to advise the neighborhood of the proposed project. Final Elevations of the building will need to be made part of the final plans for the project and are recommended as a condition of approval for submission to the Planning Office for review prior to issuance of a building permit for the structure. Refer to the attached table of similar structure found in North Lawrence.

Access
Vehicular access to this site is provided from two driveways, one from Maple Street and one from N. 6th Street. This access arrangement provides full site circulation to the facility. Driveways are shown as 20' wide consistent with existing access patterns to individual parcels in the area.

Pedestrian Connectivity
There are no public sidewalks along N. 6th Street or Maple Street in this area. The Minor Subdivision notes that the City will install sidewalks when connecting sidewalks are provided in the area. There are no proposed public sidewalks associated with this improvement. The site is not intended as a pedestrian designation and will be fenced to prevent unauthorized access.

Floodplain
This property is located within the regulatory floodplain and is subject to a local floodplain development permit.

Review and Decision-Making Criteria (20-1306(i))

1. WHETHER THE PROPOSED USE COMPLIES WITH ALL APPLICABLE PROVISIONS OF THIS DEVELOPMENT CODE

Applicant’s Response: Yes, City requested OS-FP zoning.

The proposed use, a minor utility which serves more than one subdivision, is an allowed use in the proposed OS (Open Space) District subject to Special Use Permit approval. As the property is encumbered with the Regulatory Floodplain, a Floodplain Development Permit is required per Section 20-1203 and must be approved prior to the release of building permits.
A minimum of one off-street parking space is required for minor utilities. The site will be accessed by utility trucks for routine maintenance and there will be no employees regularly on site; therefore, only one parking space is required. Access to the site is accommodated via concrete driveway approaches from N. 6th Street and from Maple Street. Off-street parking is accommodated within the enclosed area.

A point-by-point illumination array lighting plan is not required. Basic site lighting is proposed for this site. Lighting fixtures will be required to have full cut-off shields. Additional detail on the type of lighting fixtures and means to prevent off-site glare and trespass is required prior to issuance of a building permit for the structure.

The setbacks in the OS District are as follows: Front—the same as front yard for the abutting lot; Interior side adjacent to residential—20 ft; Interior side adjacent to non-residential—15 ft; Rear—0 ft; and Side Exterior—35’.

The proposed pump house structure complies with the required building setbacks of the district. The location of the structure is dictated by existing lines to the facility to the south.

The generator pad site is located approximately 30’ from N. 6th Street. The generator is an accessory structure in this application. The development code states that accessory equipment shall be located in the rear portion of the property. The Development Code provide the authority for the Planning Director waive certain development standards per section 20-1305 (b)(3)(v).

The generator pad site is located approximately 30’ from N. 6th Street. The generator is an accessory structure in this application. The development code states that accessory equipment shall be located in the rear portion of the property. The Development Code provide the authority for the Planning Director waive certain development standards per section 20-1305 (b)(3)(v).

The location and orientation of the facility design is determined by the existing infrastructure. The placement of the generator on the north (rear) side would interfere with the operation and maintenance of the site.

Staff Finding - As conditioned and with the administrative waiver from the placement of the accessory mechanical equipment, the Special Use Permit site plan complies with the requirements set out in the Development Code.

2. WHETHER THE PROPOSED USE IS COMPATIBLE WITH ADJACENT USES IN TERMS OF SCALE, SITE DESIGN, AND OPERATING CHARACTERISTICS, INCLUDING HOURS OF OPERATION, TRAFFIC GENERATION, LIGHTING, NOISE, ODOR, DUST AND OTHER EXTERNAL IMPACTS

Applicant’s Response: Yes, the area to the west of where the pump station will be constructed (on Lot 2) is a tow yard. The area to the west of Lot 1 is a residential house but this portion of the site will remain undeveloped. See submitted site plan for layout and areas around the site.

The proposed request is for the construction of a new pump station that includes both below ground and above ground improvements and a 26’ deep open pit to stormwater sewer service to the area.

The area along Maple Street is a designated industrial corridor (Union Pacific Railroad Corridor Industrial Area) in Horizon 2020. The proposed use will be located on the Maple Street side of the property. The area along Perry Street is residential (west of N. 6th Street). The north lot will remain as open space. Surrounding uses include railroad right-of-way and a vacant parcel to the south, a residence to the east and a tow-lot to the west. The proposed use will be unmanned but needful of vehicular access for service and maintenance. As a result much of the property is required to be paved.
The overall site will have an industrial character with a paved surface surrounding the building similar to other industrial uses along Maple Street.

**Staff Finding** - The proposed pump station will be compatible with adjacent uses.

3. **WHETHER THE PROPOSED USE WILL CAUSE SUBSTANTIAL DIMINUTION IN VALUE OF OTHER PROPERTY IN THE NEIGHBORHOOD IN WHICH IT IS TO BE LOCATED**

Applicant’s Response:  *No, the lot where the pump station will be constructed (Lot 2) is next to a tow yard. The north lot (Lot 1) will be empty and is next to a residential area. See submitted site plan for layout and areas around the site.*

The pump station will reduce flooding in the localized area. The property includes a lot dedicated to open space on the north side (Perry Street) adjacent to the residential uses west of N. 6th Street along Perry Street.

**Staff Finding** - The construction of this Pump Station is not anticipated to result in any diminution of value of other property in the neighborhood.

4. **WHETHER PUBLIC SAFETY, TRANSPORTATION AND UTILITY FACILITIES AND SERVICES WILL BE AVAILABLE TO SERVE THE SUBJECT PROPERTY WHILE MAINTAINING SUFFICIENT LEVELS OF SERVICE FOR EXISTING DEVELOPMENT**

The pump station is a public service intended to serve the surrounding area.

**Staff Finding** - The proposed use, a minor utility, is a public service which would serve the surrounding area. Sufficient safety, transportation and utility facilities will be available to serve the subject property.

5. **WHETHER ADEQUATE ASSURANCES OF CONTINUING MAINTENANCE HAVE BEEN PROVIDED**

This proposed development will be owned and operated by the City of Lawrence. City staff is responsible for continuing site maintenance.

**Staff Finding** - The site plan will function as the enforcement document to assure that maintenance and use of the property is consistent with the approval.

6. **WHETHER THE USE WILL CAUSE SIGNIFICANT ADVERSE IMPACTS ON THE NATURAL ENVIRONMENT**

Applicant’s Response:  *“No, the proposed pump station is being constructed to help alleviate flooding in the area.”*  

This property is encumbered with floodplain. Adequate oversight will be provided for the protection of the natural environment through the local floodplain management regulations.

**Staff Finding** - The proposed use, with the protection measures required for properties encumbered by the regulatory floodplain, should not cause significant adverse impacts on the natural environment.
7. WHETHER IT IS APPROPRIATE TO PLACE A TIME LIMIT ON THE PERIOD OF TIME
THE PROPOSED USE IS TO BE ALLOWED BY SPECIAL USE PERMIT AND, IF SO
WHAT THAT TIME PERIOD SHOULD BE.

Time limits are established on Special Use Permits to permit a periodic review to determine if the
use remains compliant with the area or if a rezoning would be appropriate. A pump station is
part of necessary infrastructure whose life span will be determined by demand and operational
characteristics. It would not be appropriate to place a time limit on this use.

**Staff Finding** - The project provides necessary infrastructure for surrounding developments;
therefore, it would not be appropriate to place a time limit on this use.

**Conclusion**
The proposed pump station will positively impact the area by improving stormwater sewer
services in the area. The use is compatible with, and appropriate for, this location. Staff
recommends approval of the Special Use Permit as conditioned.
**LOT 2, ALONG N. 6TH STREET AT LEAST ONE EXISTING TREE WILL COUNT TOWARDS STREET TREE TOTAL. TO BE DETERMINED.**

**LANDSCAPE PLAN AND DETAILS**

**LANDSCAPE CALCULATIONS**

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<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
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<tr>
<td>Ulmus x <code>Frontier</code> / American Elm</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Acer truncatum <code>Pacific Sunset</code> TM / Pacific Sunset Maple</td>
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<tr>
<td><strong>TOTAL TREES</strong></td>
<td><strong>5</strong></td>
<td></td>
</tr>
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</table>

**MATERIALS**

- CONTRACTOR TO PROVIDE PROTECTION FENCING AT TREE DRIP LINE FOR 3 ROOT BALL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE AREAS AND QUANTITIES OF SEED NEEDED FOR OPTIMUM COVERAGE.
- ALL SHRUBS SHALL BE INSTALLED IN PROPOSED PLANTING BEDS AND ALL MULCH FOR THE PROJECT TO BE PROVIDED BY THE GENERAL CONTRACTOR TO THE SATISFACTION OF THE OWNER.
- ALL DISCREPANCIES AND/OR FIELD CHANGES SHALL BE REPORTED TO THE OWNER FOR APPROVAL PRIOR TO IMPLEMENTATION. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS ON SITE THROUGHOUT THE CONSTRUCTION PROCESS.
- ALL UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE GENERAL CONTRACTOR TO THE SATISFACTION OF THE OWNER.
- THE GENERAL CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT SUBSTANTIALLY COMPLETED.
- GENERAL CONTRACTOR SHALL ASSUMES ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT SUBSTANTIALLY COMPLETED.
Existing Utility Facilities - North Lawrence

Figure 1: N. 2nd Street and Perry Street facility

Figure 2: N. 2nd Street and Perry Street location

Figure 3: N. 2nd Street facility

Figure 4: N. 2nd Street location
Figure 5: Walnut Street Pump Station No. 2

Figure 6: Walnut Street location
Enclosures and tanks
250-1000 kW gensets

> Specification sheet

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Enclosure standard features

- 14-gauge steel construction (panels)
- Stainless steel hardware
- Zinc phosphate pretreatment, e-coat primer and super durable powder topcoat paint minimize corrosion and color fade
- Package listed to UL 2200
- Designed to satisfy National Electrical Code installation requirements
- Fuel and electrical stub-up area within enclosure perimeter
- Fixed louvers
- Cambered roof prevents water accumulation
- Recessed, lockable doors in two sides
- Retainers hold doors open for easy access
- Enclosed exhaust silencer ensures safety and protects against rust
- Rain cap
- Exterior oil and coolant drains with interior valves for ease of service
- Rodent barriers on inlet
- Non-hydroscopic sound attenuating material
- Side mounted controls and circuit breakers
- Easy access lifting points for spreader bars
- Dual vibration isolation system (250-500 kW)
- Spring vibration isolation system (600-1000 kW)
- Enclosure mounts to lifting base or fuel tank (250-500 kW)
- Enclosure mounts to lifting base (600-1000 kW)
- Factory pre-assembled package
- Designed for outdoor use only
- Externally mounted emergency stop button for operator safety (optional on 250-500 kW)
- Horizontal air discharge to prevent leaf and snow accumulation (600-1000 kW)

Options

- Three levels of sound attenuation
- Motorized louvers to protect from ice and snow accumulation (available on air inlet for all models and on air outlet on level II, 250-500 kW enclosures only)
- Horizontal air discharge, sound level 2 only (250-500 kW)
- Aluminum construction with roll-coated polymer paint
- Wind rated to 150 mph (aluminum enclosures)
- Neutral sandstone paint color (aluminum only)
- Factory mounted battery charger
- External 120 VAC service outlet
- Rain hoods for air inlet (250-500 kW)
- Lifting base in lieu of a sub-base tank (250-500 kW)
  - Pre-wired AC distribution package
  - 100 amp (250-500 kW) or 150 amp (600-1000 kW) main circuit breaker; connected to 120 VAC line-neutral and 208 or 240 VAC line-line, spare breaker positions and capacity for future upgrades (600-1000 kW)
  - GFCI protected internal 120 VAC service receptacle
  - GFCI protected weatherproof external 120 volt service receptacle
  - All factory installed AC powered features pre-wired into load center
- Interior lights – 120 volt (600-1000 kW)
- Rain hoods for air inlet (250-500 kW)
- Seismic isolators available (600-1000 kW)
**Fuel tanks**

**Standard sub-base tank features**
- UL 142 Listed
- UL-S601-07 Listed
- NFPA37 compliant
- Dual walled, steel construction
- Emergency tank and rupture basin vents
- Tank mounted mechanical fuel gauge
- Fuel supply and return tubes
- Top mounted leak detection float switch
- Low and high level fuel switches
- Mounting brackets for optional pump and control (250-500 kW)
- Integral lifting points
- Basin drain

**Sub-base tank options**
- Pre-wired fuel pump and control
- Fuel overfill alarm – internal or external
- Overflow and tank fill plugs
- Five gallon spill fill box – internal or external
- Fill pipe extender
- Local code approvals available

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### 200-500 kW dual wall sub-base fuel tanks – usable operating hours

<table>
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<th>Genset model (60 Hz)</th>
<th>Gallons/hour at full load</th>
<th>270 gallon tank</th>
<th>300 gallon tank</th>
<th>400 gallon tank</th>
<th>500 gallon tank</th>
<th>600 gallon tank</th>
<th>660 gallon tank</th>
<th>720 gallon tank</th>
<th>850 gallon tank</th>
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Operating hours are measured at 60 Hz, standby rating.

### 600-1000 kW dual wall sub-base fuel tanks – usable operating hours

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<th>Genset model</th>
<th>Gallons/hour at full load</th>
<th>200 gallon tank</th>
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<td>900 DQFAC</td>
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<td>1000 DQFAD</td>
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<td>8</td>
<td>14</td>
<td>21</td>
<td>27</td>
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<td>42</td>
</tr>
</tbody>
</table>

*3000 gallon tank offered as an accessory kit
- Operating hours are measured at 60Hz, standby rating.
- Up to 90% fill alarm to comply with NFPA30, operating capacity is reduced by 10%.

---

**Our energy working for you.™**

www.cummins.com
### Enclosure package sound pressure levels @ 7 meters dB(A)

<table>
<thead>
<tr>
<th>Genset model</th>
<th>Weather protective enclosure (F200, F203)</th>
<th>QuietSite Level 1 sound attenuated enclosure (F201, F204)</th>
<th>QuietSite Level 2 sound attenuated enclosure (F202, F205)</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 DQDAA</td>
<td>90</td>
<td>88</td>
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<tr>
<td>275 DQDAB</td>
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<tr>
<td>275 DQHAA</td>
<td>86</td>
<td>85</td>
<td>74</td>
</tr>
<tr>
<td>300 DFCB</td>
<td>86</td>
<td>84</td>
<td>71</td>
</tr>
<tr>
<td>300 DQDAC</td>
<td>90</td>
<td>88</td>
<td>73</td>
</tr>
<tr>
<td>300 DQHAB</td>
<td>89</td>
<td>88</td>
<td>76</td>
</tr>
<tr>
<td>350 DFCC</td>
<td>87</td>
<td>85</td>
<td>72</td>
</tr>
<tr>
<td>350 DFEG</td>
<td>86</td>
<td>85</td>
<td>72</td>
</tr>
<tr>
<td>400 DFCE</td>
<td>89</td>
<td>85</td>
<td>73</td>
</tr>
<tr>
<td>400 DFEH</td>
<td>87</td>
<td>85</td>
<td>73</td>
</tr>
<tr>
<td>450 DFEC</td>
<td>89</td>
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<td>75</td>
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<tr>
<td>450 DFEJ</td>
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<tr>
<td>500 DFED</td>
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<tr>
<td>500 DFEK</td>
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<td>87</td>
<td>73</td>
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<tr>
<td>600 DFGB</td>
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<tr>
<td>600 DQCA</td>
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<td>600 DQPAA</td>
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<td>600 DQPAB</td>
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<tr>
<td>750 DFGE</td>
<td>87</td>
<td>80</td>
<td>75</td>
</tr>
<tr>
<td>750 DFHA</td>
<td>91</td>
<td>81</td>
<td>77</td>
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<td>750 DQCB</td>
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<td>79</td>
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<tr>
<td>750 DQFAA</td>
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<td>800 DFHB</td>
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<td>77</td>
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<tr>
<td>1000 DFHD</td>
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</tr>
<tr>
<td>1000 DQFAD</td>
<td>90</td>
<td>80</td>
<td>76</td>
</tr>
</tbody>
</table>

- All data is 60Hz, full load standby rating, steel enclosures only.
- Data is a measured average of 8 positions.
- Sound levels for aluminum enclosures are approximately 2 dB(A) higher than listed sound levels for steel enclosures.
## Package dimensions of enclosure, exhaust system, and UL tank

### 250-500 kW

<table>
<thead>
<tr>
<th>Tank size (gal)</th>
<th>Weather protective package length (in)</th>
<th>QuietSite level 1 package length (in)</th>
<th>QuietSite level 2 package length (in)</th>
<th>Width (in)</th>
<th>Height (in)</th>
<th>Weather protective package weight (lbs)</th>
<th>QuietSite level 1 package weight (lbs)</th>
<th>QuietSite level 2 package weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>188</td>
<td>188</td>
<td>222</td>
<td>82</td>
<td>104</td>
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<td>400</td>
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<td>106</td>
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<tr>
<td>500</td>
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<td>222</td>
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<tr>
<td>600</td>
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<td>82</td>
<td>111</td>
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<tr>
<td>660</td>
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<td>720</td>
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<td>1700</td>
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<td>Lifting base</td>
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</table>

### 600-1000 kW

<table>
<thead>
<tr>
<th>Tank size (gal)</th>
<th>Weather Protective package length (in)</th>
<th>QuietSite level 1 package length (in)</th>
<th>QuietSite level 2 package length (in)</th>
<th>Width (in)</th>
<th>Height (in)</th>
<th>Weather protective package weight (lbs)</th>
<th>QuietSite level 1 package weight (lbs)</th>
<th>QuietSite level 2 package weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
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<td>315</td>
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<td>98</td>
<td>143</td>
<td>12961</td>
<td>15841</td>
<td>17721</td>
</tr>
</tbody>
</table>

- This weight does not include the generator set. Consult your local Cummins Power Generation distributor or the appropriate generator specification sheet.
- Width is 86" lifting eye to lifting eye (250-500 kW), 102" lifting eye to lifting eye (600-1000 kW).
- Height - Florida, Michigan, and Suffolk add 4" (250-500 kW) or 2" (600-1000 kW) for bottom space.
- Maximum length emergency vent removed.

---

**CSA** - The generator set is CSA certified to product class 4215-01.

**UL** - The generator set is available Listed to UL 2200, Stationary Engine Generator Assemblies. The PowerCommand control is Listed to UL 508 - Category NITW7 for U.S. and Canadian usage.

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**See your distributor for more information**
SUP-14-00007: Special Use Permit for a Stormwater Pump Station
Located at 547 Maple St and the SW corner of Perry St & N 6th St

Lawrence-Douglas County Planning Office
March 2014