



**WORK SESSION - KINGSTON CITY COUNCIL**  
**September 6, 2016 at 6:00 P.M.**

**A G E N D A**

1. Invocation and pledge
2. Call to order
3. Citizens Comments/Persons to Appear
4. Discussion of Contracting with REU for the Lighting of Gertrude Porter Park (Kendall Bear)
5. Discussion of an Ordinance Supporting the Implementation of the Water Curtailment Plan
6. Discussion of the 2017 Insurance Renewal
7. Discussion of Improvements to the 4<sup>th</sup> of July Celebration
8. Discussion of the Disposal of Surplus Equipment for Parks and Recreation
9. Discussion of Purchase of Telescopic Forklift for Water Department

# Memorandum

To: Mayor and City Council

From: City Manager David L. Bolling

Date: 09/01/2016

Re: Workshop Agenda Item #4: Discussion of Contracting with REU for the Lighting of Gertrude Porter Park

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As we've discussed, I have been in talks with REU about providing the lighting to Porter Park. If you'll remember, the bid price from the contractor to provide the lighting was \$130,000. That would have put the project over budget, represented a large portion of the grant and involved a significant amount of upfront money from the City. In addition, it simply seemed too high for what we wanted to do.

After doing some research, REU estimates that they can do it for \$100,000 or less. They received one quote for the poles, fixtures and lamps that was approximately \$59,000. There would be additional costs for manpower, miscellaneous materials, crane rental, etc. but even if the project came in at \$100,000 on the high end, that's still \$30,000 less than the contractor's price. Kendall has stated that he would expect the price to be under that amount when they actually competitively bid it.

If REU does the work, they will charge us a monthly fee per our lighting agreement, just as they do for street lights. We anticipate that amount to be in the neighborhood of \$800 - \$850 per month. Obviously that's an increase that we'll have to factor in when we budget for electrical going forward. However, as I said, that alleviates the need for upfront funding for the lighting, and REU will have the responsibility for all maintenance, repair and replacement going forward. That alone could be significant over time.

I've asked Kendall to come to the workshop, and would highly recommend that we pursue this course and have REU do the lighting. If you approve, we will coordinate with Rockwood Electric and Southeast to schedule everything and begin moving forward with this long awaited project.

WATER CURTAILMENT ORDINANCE NO. \_\_\_\_\_

AN ORDINANCE OF THE CITY OF KINGSTON AUTHORIZING THE DECLARATION  
OF A WATER SHORTAGE EMERGENCY AND THE IMPLEMENTATION  
GUIDELINES FOR THE EMERGENCY

WHEREAS, water being a finite resource; and

WHEREAS, during a water shortage emergency, it is necessary to impose restrictions on the use of water; and

WHEREAS, such restrictions require a written plan of implementation during a water shortage emergency; and

WHEREAS, such implementation procedures must be enacted fairly and quickly for the public's health and safety.

**NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF KINGSTON, TENNESSEE that this Kingston Water Curtailment Plan is hereby adopted:**

SECTION 1. The mayor or his designee is hereby authorized to declare a water shortage emergency to exist in accordance with the standards set out in Section 3. The declarer must immediately attempt to contact all Council members to inform them of the emergency action. An end to a water shortage emergency must be declared by the Mayor and City Councilmembers.

SECTION 2. The following situations are prohibited within the system's service area, when a water shortage emergency has been declared under Section 1.

- a. Permitting unreasonable amounts of water to escape down a gutter, ditch or other surface drain while using water for a legitimate purpose;
- b. Failure to repair a controllable leak of water;
- c. Failure to put to reasonable beneficial use any water withdrawn from the system; and
- d. Use of a lawn sprinkler system during or immediately after a rain event.

SECTION 3. The declaration of a water shortage emergency shall designate whether it is a category 1, 2, 3 or 4 water shortage emergencies as outlined in Section 5 of this ordinance.

SECTION 4. The declaration may be scaled up or down during the emergency, as declared by the mayor or his designee.

SECTION 5. The city of Kingston has four categories of a water shortage emergency. They are listed below with an initiating condition and the actions to be taken in each category.

Category	Initiating Conditions	Actions
1. Water Alert	Drought conditions in the region, or Demand reaches 73 percentage of supply for 5 or more consecutive days, or Water storage is approaching the minimum volume required for fire protection or other essential need.	Voluntary water reductions.
2. Serious Shortage Restrictions	Demand reaches 84 percentage of supply for 5 or more consecutive days	Mandatory water reductions
3. Critical Shortage	Demand reaches 100 percent or greater of supply for 5 or more consecutive days	Water use prohibitions
4. Water Emergency of agencies	System failure or treatment plant failure, supply or system contamination, any other catastrophic event	Immediate notification of customers, implementation of stage 2 and 3 actions, seek assistance from other agencies, emergency council session

**SECTION 6.** The following will be implemented as listed for each of the water shortage categories in section 5 once a water shortage emergency has been declared.

**Category 1---Water Alert**

The declaration will activate a process to notify the customers of the potential water shortage and what voluntary measures that are asked to be implemented.

The customers will be asked to voluntarily:

- Cease frivolous use of water.
- Cease watering the landscape between the hours of 9:00 am to 7:00 pm.
- Water landscape during the hours not listed above, on alternative days. (Even numbered addresses on even days, odd numbered addresses on odd days.)
- Notify the local news media, if appropriate, to ask for their assistance in notifying customers.
- Initiate other water conservation measures

**Category 2---Serious Water Shortage**

The declaration will activate a process to notify the customers of the potential water shortage and what mandatory water restrictions are in effect.

- Cease frivolous use of water.
- Notify the local news media, if appropriate, to ask for their assistance in notifying customers.
- Notify outside agencies for assistance.
- Notify all fire departments of the situation.

- Initiate other water conservation measures
- Watering of landscape is prohibited, except for sod or plants which were planted within the last \_\_\_\_ weeks.
- Commercial greenhouses and greenery suppliers will limit their watering of plants to every other day. Watering will not be allowed from 9:00 am to 7:00 pm. Drip style irrigation shall be utilized unless permission to use other styles has been granted by the mayor or his designee.
- No water for washing motorbikes, motor vehicles, boat trailers, or other vehicles except at a commercial washing facility that practices wash water recycling. (Exceptions include vehicles that must be cleaned to maintain public health and welfare such as food carriers and solid waste transfer vehicles.)
- No water to wash sidewalks, walkways, driveways, parking lots, tennis court, and other hard-surfaced areas.
- No water to wash buildings and structures, except as needed for painting or construction.
- No water for a fountain or pond for aesthetic or scenic purposes, except where necessary to support fish life.
- Discourage serving water to customers in restaurants unless water is requested by the customer. This action does not provide significant water savings, but is useful for generating awareness of the need to curtail use.
- Water only tees and greens and not other golf course areas.
- No water for dust control unless absolutely necessary.
- No water for gutter cleaning.
- Flushing of fire hydrants or water- mains will only be allowed to preserve water quality or system maintenance.
- No water to fill, refill, or add to any indoor or outdoor swimming pools or hot tubs, except if one of the following conditions is met: the pool is used for a neighborhood fire control supply or the pool's use is required by a medical doctor's prescription.

#### Category 3---Critical Water Shortage

The declaration will activate a process to notify the customers of the potential water shortage and what mandatory water restrictions are in effect.

- All Category 2 restrictions will be in effect.
- No water from hydrants for construction purposes (except on a case-by case basis), fire drills, or any purpose other than fire fighting.
- Implement limitations on commercial uses of water, depending on the severity of the shortage.
- Issue public service announcements to notify customers of the severity of the conditions.

#### Category 4---Emergency Water Shortage

The declaration will activate a process to notify the customers of the potential water shortage and what mandatory water restrictions are in effect.

- All Category 2 and 3 restrictions will be in effect.

- Call an emergency city council meeting. These decisions will be based upon whether the water use is defined as essential use, domestic use or non-essential use per the definitions found in section nine (9) of this ordinance.
- Implement other actions as deemed necessary by the city council. Implement backup plans: such as purchasing water from other systems, hauling water to the city, designating water distribution points and supplying bottled water.

SECTION 7. Water waste prohibitions set forth in this Ordinance will be strictly enforced. Violators may be cited pursuant to the Kingston Municipal Code, and water service may be interrupted for repeat violations as set forth herein.

SECTION 8. The city cannot and does not guarantee either sufficient supply or adequate or uniform pressure during a Water Shortage. The city shall not be liable for any damages or loss resulting from an inadequate or interrupted supply, from pressure variations, or for damages from the resumption of service when such conditions are not due to willful fault or neglect on its part.

SECTION 9. Definitions

- Essential Use: The use of water is strictly for fire fighting, safety, sanitation, health and medical purposes, and the use to satisfy federal, state and local public health and safety requirements.
- Domestic Use: Any use of water for household purpose such as drinking, bathing, heating, cooking, sanitation or cleaning, whether the use occurs in a residence or in a commercial or industrial establishment.
- Non-Essential Use: All other uses for water other than Essential or Domestic Use.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

Adopted First Reading \_\_\_\_\_

Adopted Second Reading \_\_\_\_\_

Public Hearing Held \_\_\_\_\_

# Memorandum

To: Mayor and City Council

From: City Manager David L. Bolling

Date: 9/01/2016

Re: Workshop Agenda Item #6: Discussion of 2017 Insurance Renewal

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Attached are three spreadsheets outlining the insurance rate increase for 2017 and the projected impact on the City.

The first spreadsheet shows the new rates and the percent and dollar amount increases for each plan. The second, the "Kingston analysis" has a lot more information. This shows, based on what we anticipate the enrollment to be in each plan, the cost to the employees and the City. The third shows my projections of what our surplus will be compared to what we budgeted.

As you know, we currently have several employees on the Limited plan because we also offered the supplemental GAP plan through Symetra. The State is not allowing those type of supplemental plans anymore, and the Cigna Limited is seeing the highest increase. Without the GAP plan, we expect most employees will move from that plan to another. We were paying 100% for those on the Limited and GAP plans, and 93% for people on other plans. This year, we are proposing to reduce that to 93% of all plans, with the exception of the Preferred Partnership Plan that does not have the wellness requirement and corresponding incentive. Basically on that plan, you get the Preferred Plan benefits without getting the discount for having to do a physical, get monthly phone calls, etc. We feel like an employee who opts for this just to avoid the wellness component should have to pay the difference, so we are proposing that the City only pay 88% on that plan. By doing this, we're going to be able to save money and pay considerably less than we budgeted for.

On the third spreadsheet, you'll notice that I anticipate our savings to be just over *\$150,000*. That's factoring all contributions at 93%. I don't anticipate that too many people will opt for the Preferred Partnership without the wellness commitment, especially if they have to pay extra for it, but any that do will represent additional savings above and beyond what I projected.

I know that it's going to look like we recklessly over budgeted but we simply had no sure fire way of knowing what the increase would be, and I certainly didn't want us to be in a situation where we underfunded it. Along those lines, I would like to propose that we dedicate any savings under what we budgeted this year to go in to a separate fund and be held to help offset future increases. We've been very lucky over the last few years, especially in light of the state of the insurance industry, but that could easily change. The more we can prepare in years like this, when we're coming out ahead, the less pain we'll feel when things take a turn for the worse.

# 2017 Local Government Monthly Rates

Level 1		2016	2017	% Increase Over 2016	\$ Increase	Wellness Incentive
<b>Partnership PPO (No Wellness)</b>						
Employee			\$668			
Employee+Child(ren)			\$1,008			
Employee+Spouse			\$1,429			
Employee+Spouse+Child(ren)			\$1,769			
<b>Partnership PPO</b>						
Employee		\$612	\$618	1.1%	\$6	\$50
Employee+Child(ren)		\$948	\$958	1.1%	\$10	\$50
Employee+Spouse		\$1,315	\$1,329	1.1%	\$14	\$100
Employee+Spouse+Child(ren)		\$1,651	\$1,669	1.1%	\$18	\$100
<b>Standard PPO</b>						
Employee		\$637	\$625	-1.8%	-\$12	
Employee+Child(ren)		\$973	\$968	-0.5%	-\$5	
Employee+Spouse		\$1,365	\$1,343	-1.6%	-\$22	
Employee+Spouse+Child(ren)		\$1,701	\$1,686	-0.9%	-\$15	
<b>Limited PPO</b>						
Employee		\$392	\$426	8.8%	\$34	
Employee+Child(ren)		\$607	\$661	8.9%	\$54	
Employee+Spouse		\$842	\$916	8.8%	\$74	
Employee+Spouse+Child(ren)		\$1,057	\$1,150	8.8%	\$93	
<b>HealthSavings CDHP</b>						
Employee		\$367	\$384	4.7%	\$17	
Employee+Child(ren)		\$568	\$595	4.7%	\$27	
Employee+Spouse		\$788	\$825	4.7%	\$37	
Employee+Spouse+Child(ren)		\$990	\$1,035	4.6%	\$45	





**2017 Health Insurance**

<b>Department</b>	<b>Budgeted</b>
Legislative	\$7,350.00
City Manager	\$17,450.00
Finance	\$62,400.00
Police	\$164,625.00
Fire	\$228,955.00
Public Works	\$125,080.00
Parks and Recreation	\$79,500.00
Library	\$14,840.00
General Government (Water)	\$9,600.00
Purification (Water)	\$49,900.00
Transmission and Dist. (Water)	\$115,540.00
Utility Director (Water)	\$10,600.00
Sewer Treatment (Water)	\$69,700.00

Total Budgeted	\$955,540.00
Total Premium for 2017	\$786,860.00
Health Contribution for City at 93%	\$731,779.80
Contribution for Vision, Dental, Life	\$68,203.00
Total Contribution for City	\$799,982.80
<b>TOTAL SURPLUS</b>	<b>\$155,557.20</b>

# Memorandum

To: Mayor and City Council

From: City Manager David L. Bolling

Date: 08/11/2016

Re: Workshop Agenda Item #7: Discussion of Improvements to the 4<sup>th</sup> of July Celebration

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As we've discussed, and you've likely heard from others, this year's 4<sup>th</sup> of July celebration left much to be desired. Many people worked hard to make this event happen, and I certainly don't blame them. In all, I just feel like the event is in need of a make-over.

The 4<sup>th</sup> is our biggest event of the year, and our fireworks are among the best I've ever seen. While we continue to draw a large crowd for that, the attendance throughout the day has become sparse. We invest a great deal of resources in providing the necessary infrastructure to support a daylong event, and Kingston deserves a celebration that everyone will enjoy and be proud of. With a little work and some new ideas, I am confident that we can provide just that.

A couple of years ago we made the decision to return boat racing to Kingston. Many, myself included, heard countless stories about how much people used to enjoy the races and would like to see them again. In good faith, we made that happen. It took some work and time, but we've been able to put on the races and there have been some good responses. However, I don't think that the reaction and interest have been near what any of us hoped they would, and I certainly don't think that it has come close to justifying the expense. As such, I believe that it's time to look toward other attractions and no longer having the boat races will give us that opportunity.

We currently spend roughly \$16,000 in direct costs to bring the races to Kingston. In addition, we incur considerable expense in terms of manpower to support the races themselves. Obviously there is some return in the form of tax revenue from meals, gas and lodging, but that is indirect and nowhere close to offsetting. As such, I would propose that we eliminate the boat races and use those funds to help make the event better.

One area that we can directly improve on with additional funding is music. If we want people to come out and spend the day, good music is essential. We've had some decent acts, especially for what little we've paid, but none seem to draw much interest. I distinctly recall seeing one band this year playing to five people. That's a waste of what little we paid, and a waste of time. I would propose that we focus on building the days music around a "headliner", who could play before and just after the fireworks, as we have now, but spend enough to bring in someone more well-known who will actually be a draw. I'm not suggesting that we try to book the Rolling Stones by any means, but there are affordable artists who can be booked that people will enjoy seeing. During the day we can supplement with local acts and maybe even some open mic time. Music brings out people if it's music they want to hear. Along those lines, we may also want to consider moving the location of our stage to a more comfortable area with more shade. I noticed this year that the few who were listening seemed to be baking in the sun. That's not conducive to attracting a crowd, and should be a relatively easy fix.

Another area in desperate need of improvement, and that could benefit from the freeing up of additional funds, is activities for kids. More people are likely to come out, visit the vendors, listen to music, etc., if

there are things for their children to do. However, as any parent can attest to, if the kids get bored the day is over. This year we had one bounce house and a bungee type jumping attraction. The bounce house didn't appear to be used that heavily. According to my daughter, it was like an oven inside. The bungee jumping attraction was heavily used but, because it was the only thing for kids to really do, the lines were awful. Both of my kids tried to do it but gave up after waiting in line for almost 30 minutes. To a kid, there is nothing fun about that. We need more attractions like the bungee jumper. Instead of a bounce house, we need to look at inflatable water slides like the Elementary School hires for their Water Day, which will work better in the hot weather. In addition, carnival type games and a petting zoo / pony rides would go over well. We could also have some kid focused contests, like perhaps a pie eating contest and kids fishing tournament. These are the kinds of activities that appeal to families, and all things that we could easily do.

Along with the kids, we have to do a better job at attracting adults as well. Better music would be a big start, but there are other things we could do. If there are no boat races and the channel is open, we could easily contract with a vendor to provide boat rides. A 10 or 15 minute run up the lake would be a great way to beat the heat and would be great advertising for a local business. Another idea, which I think would be hugely successfully would be a BBQ cook-off. Again, by freeing up money, we could have a good cash prize and a really nice trophy, which would attract people in that very active niche. It's been suggested that we do a chili cook-off but I feel like everyone does that. Plus there really isn't anything special about a bunch of people plugging in crock posts. In most legitimate BBQ cook-offs, they stipulate that it has to be prepared on site, which usually means they set up and start smoking the night before. Just imagine the smell of all of that BBQ filling the city. Every one of those I've been to have been very well attended, and a lot of fun (and I don't even eat BBQ!). Beyond that, we could do relatively simple things like a corn-hole tournament, golf chipping contest, etc. that give people something fun to do, and a reason to want to come to our event.

Having fun things to do during the day is critical. I think the day itself is as well. We simply don't have enough events or demand to have a multi-day celebration. Nobody else does that, and it's a huge drain on our manpower. This year, during the boat races, there were more city employees than patrons. That's a complete waste. Have one day and make it great! Part of that, I think, is taking a serious look at moving away from having the event on the 4<sup>th</sup>. Yes, most everyone (except the city employees who have to work it) get that day off. That said, most all have to go to work the next day. I think we should consider having it every year on the Saturday before the 4<sup>th</sup> (with the exception of the when the 4<sup>th</sup> falls on a Saturday of course). That way, people can come spend the day, stick around for the fireworks and not have to face going to work the next day. It also frees them up to do other things on their day off, and will allow our employees to celebrate one of the more important holidays we have. I could imagine starting the morning off with a parade, including the cars for the car show, and then having that kick off soon thereafter. If we did a kids fishing tournament, we could do that earlier in the day as well, and then have the other things going on throughout the day, culminating with the fireworks that night. A weekend day full of activity will draw a crowd like we haven't seen in some time. Even if other places do their thing on Saturday, that shouldn't stop us. Let's do our thing and do it well, and let others worry about what they are doing.

When people come to an event like that, they want to eat. In the past, we've had hamburgers, hot dogs, maybe BBQ or pizza, and that was about it. Festivals have evolved and so must we. We can still have the traditional staples, but we need to bring in food trucks or vendors that offer more alternatives, like ethnic and comfort food. Some might think that's a stretch for Kingston, but that's what people like. We want people to come here, see our town, spend some money and want to come back. Offering better food is a part of that draw. We also need to get past the trend of only allowing one vendor for each type of food. Instead of saying that someone can't have a burger stand, for example, because ones already been booked, let's say if you want business then make your burger better than the next guy. Competition never

hurt anybody. We also **MUST** stop the restriction we have on Coke products because of the Boy Scouts. I appreciate the Scouts but letting them be the sole provider of Coke is not in the best interest of the event in the least, and it's prohibiting us from getting better vendors.

We also, I think, need an increased focus on advertising. Especially if we actually put together an event worth advertising. We need to get the word out regionally, through television, radio, newspapers and social media. This will cost more money but, again, by cutting out what we spend on the boat races, we can afford to do it. If we want this to be a success, I don't think we can afford not to.

Finally, let's discuss the elephant in the room. We need to consider selling beer in some for or fashion. I'm not talking beer vendors all over the place with people walking around chugging countless cold ones. We can control where and how much they drink. I know that there are some who don't like drinking, but we can't let that limit what could be a huge benefit to our event. With beer comes beer sponsors. With beer comes more people. It's what all successful festivals do, including just over the hill in Harriman, and most importantly it's already there. Every year we clean up countless beer cans and bottles. We've even found them in the bathroom stall. We could have a specific area for a beer tent, or limit it to certain areas and exclude it from others, like around the kid's activities for example. That way people could buy a beer, get some food and listen to music. We make everything be in a cup and give everyone drinking an armband that gets punched when they buy a beer. Limit it to 2 or 3 and that's it. There are multiple ways to do it without it getting out of hand and I think that we should at least consider the possibility.

I know this has been a lengthy memo, and the conversation about the 4<sup>th</sup> will likely be long as well. Honestly it needs to be, because it's an important topic. We have a great staff, a beautiful location and years of tradition in hosting the event. We just need to make it better. Someone made the comment to me that if we can't do better than we did this year then we might as well not do anything but fireworks. Sadly, I agree. Let's work together and make next year's celebration the best the City has ever seen. I tell my department heads all the time that we need to be setting the bar in everything we do. We can set the bar in this as well.



August 31, 2016

To: Kingston City Council

Kingston Parks and Recreation  
Surplus Vehicles for Gov.deals

1996 Jeep Cherokee 4X4 (black)

VIN# IJ4FJ6859TL253279

1999 Ford Truck F-150 (white)

VIN# 2FTRF17W17W1YCA38153

## Memorandum

To: Mayor and City Council

From: City Manager David L. Bolling

Date: 09/01/2016

Re: Workshop Agenda Item #9: Discussion of Purchase of Telescopic Forklift for Water Department

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Mike Jolly has been looking for years for a good deal on a telescopic forklift for the Water Department. He recently found a 2000 with approximately 1500 hours that comes with a front bucket and forks. It's for sale by G&N Construction, who is going out of business, for \$18,000.

We budgeted \$60,000 for Capital Equipment in the Water Department budget, so there is no issue in terms of the funds, and I have no objection to the purchase if this is something of benefit to them.

I've asked Mike to be at the workshop because he can certainly explain the intended use and value better than I can.

## Joyce Lewis

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**From:** Joyce Lewis <jalking@bellsouth.net>  
**Sent:** Thursday, September 01, 2016 1:41 PM  
**To:** 'Joyce Lewis'  
**Subject:** FW: Forklift

-----Original Message-----

**From:** Mike Jolly [mailto:mikejolly@comcast.net]  
**Sent:** Thursday, September 01, 2016 1:30 PM  
**To:** Joyce Lewis <jalking@bellsouth.net>  
**Subject:** Forklift

- Telescopic Forklift
- 2000 model
- 1500 hours
- Has front bucket and forks
- Seller is G&N construction
- Cost \$18,000

Sent from my iPhone



[Home](#) → [Spec Search](#) → [All Types](#) → [Telescopic Forklift](#) → [Case](#) → 688G

**CASE 688G TELESCOPIC FORKLIFT**

[VIEW ARTICLES ON THIS ITEM](#)

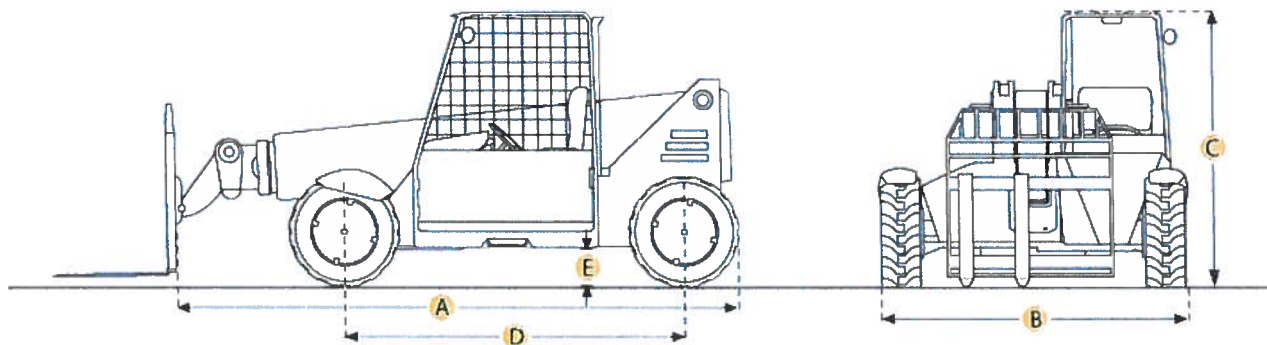
Print specification

Looking to purchase this item?

Need to sell equipment?

[Find a Case 688G Telescopic Forklift](#) being sold at Ritchie Bros. auctions.

[Complete this form](#) and a Ritchie Bros. representative will contact you.



**Selected Dimensions**

**Dimensions**

A. LENGTH TO FORK FACE	21 ft in	6400 mm
B. WIDTH OVER TIRES	8.5 ft in	2600 mm
C. OVERALL HEIGHT	7.9 ft in	2400 mm
D. WHEELBASE	10.5 ft in	3200 mm
E. GROUND CLEARANCE	16 ft in	406 mm

**Lift**

F. MAX LIFT HEIGHT	43 ft in	13100 mm
G. MAX FORWARD REACH	27.9 ft in	8500 mm

**Specification**

**Engine**

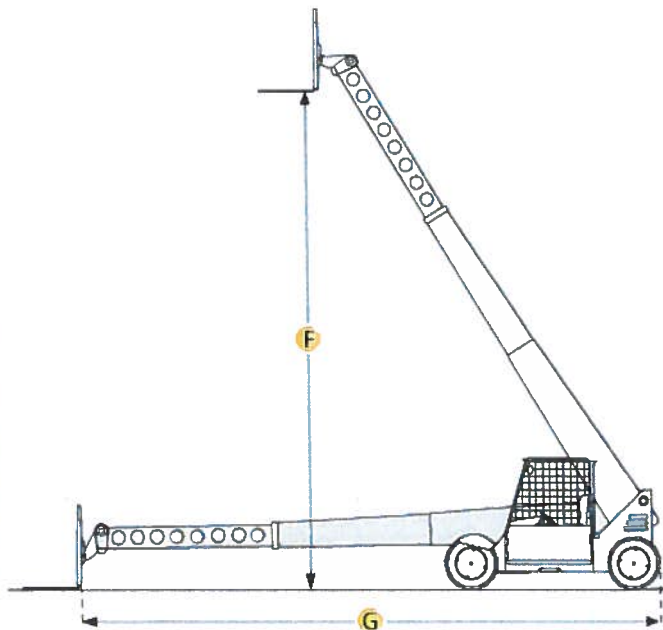
MAKE	Case	
MODEL	4T-390	
GROSS POWER	110 hp	82 kw
NET POWER	99 hp	73.8 kw
POWER MEASURED @	2500 rpm	
MAX TORQUE	293 lb ft	397.3 Nm
TORQUE MEASURED @	1500 rpm	
DISPLACEMENT	239 cu in	3.9 L
NUMBER OF CYLINDERS	4	
ASPIRATION	Turbocharged	

**Operational**

OPERATING WEIGHT	22813 lb	10347.8 kg
FUEL CAPACITY	35 gal	132.5 L
HYDRAULIC SYSTEM FLUID CAPACITY	40 gal	151.4 L
OPERATING VOLTAGE	12 V	
ALTERNATOR SUPPLIED AMPERAGE	62 amps	
TIRE SIZE	13.00x24 12PR L2/G2	

**Transmission**

TYPE	Powershift	
NUMBER OF FORWARD GEARS	3	
NUMBER OF REVERSE GEARS	3	
MAX SPEED - FORWARD	21 mph	33.8 km/h
MAX SPEED - REVERSE	21 mph	33.8 km/h



**Hydraulic**

PUMP TYPE	axial piston	
PUMP FLOW CAPACITY	34 gal/min	128.7 L/min

**Lift**

MAX LIFT CAPACITY	8000 lb	3628.7 kg
MAX LIFT HEIGHT	43 ft in	13100 mm
MAX LOAD AT MAX HEIGHT	7000 lb	3175.1 kg
MAX FORWARD REACH	27.9 ft in	8500 mm
MAX LOAD AT MAX REACH	1900 lb	861.8 kg

**Dimensions**

LENGTH TO FORK FACE	21 ft in	6400 mm
WIDTH OVER TIRES	8.5 ft in	2600 mm
OVERALL HEIGHT	7.9 ft in	2400 mm
WHEELBASE	10.5 ft in	3200 mm
GROUND CLEARANCE	16 ft in	406 mm
TURNING RADIUS OUTSIDE TIRES	12.1 ft in	3700 mm

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OEM specifications are provided for base units. Actual equipment might vary with options.