



Filing Receipt

Received - 2021-10-29 04:20:24 PM
Control Number - 52299
ItemNumber - 831



October 29, 2021

Public Utility Commission of Texas (PUCT)

RE: City of Bedford Filing with Public Utilities Commission of Texas (PUCT) in Project 52299

Dear Madam or Sir,

As an entity that meets the definition of “affected utilities” under TWC §13.1394, Halff Associates is filing the requested information on all critical load facilities on behalf of the City of Bedford. As required by SB3 and Texas Water Code (TWC) §13.1396, this information is being filed with:

- the PUCT,
- each transmission and distribution service provider and retail electric provider serving the City,
- the office of emergency management in Tarrant County where the City’s utility has water facilities that qualify for critical load status,
- the Governor’s office of emergency management.

Water System Description

The City of Bedford’s Public Works Department manages a water system that provides water to approximately 49,000 consumers in Tarrant County. A majority of this supply is purchased from the Trinity River Authority (TRA) and delivered through two interconnects with the Bedford distribution network. The City supplements this water source with production from wells located at its Stonegate and Simpson Terrace sites. Average daily usage is approximately 5 million gallons per day (MGD).

Critical Load Facilities

The City of Bedford has two potable water pump stations that help distribute water to customers throughout the City. A well is located at each pump station. The pump stations at the Stonegate and Simpson Terrace sites are co-located with TRA water meters. The Stonegate site has two-meter connections. Below is a description of the water and wastewater facilities sites, all of which are located within the boundaries of the City of Bedford:

- *Pump Station and Well, Stonegate site (Lat 32.837/Long -97.151)*
The Stonegate site located at 1126 Bedford Road, sandwiched between residential and commercial developments. This location hosts a well that is used to supplement water from TRA, particularly in higher demand months. In addition to the well, the Stonegate site contains two four-inch service pumps and a 225,000-gallon ground storage tank to help maintain pressure as water enters distribution.
- *Pump Station and Well, Simpson Terrace Site (Lat 32.860/Long -97.151)*
The Simpson Terrace site sits just south of Carousel Park, adjacent to a residential area and an elementary school. This location also hosts a well that supplements TRA water during high demand months. The Simpson Terrace site, in addition to its own well, contains a booster pump station tasked with bringing water into the higher pressure required for the northwest pressure plane. Three three-

inch pumps and two six-inch pumps, along with two 15,000-gallon pressure tanks and air compressors provide the pressure necessary to provide for the consumers in the area.

- *SCADA System. (Lat 32.84/Long -97.10)*
The City operates a point-to-point SCADA network using Wonderware software that terminates at the Public Works building. It works on a wireless network that allows remote access via TeamViewer, but none of the SCADA computers are connected to the internet.

Emergency Contact Information:

In the event of an emergency, the address of the Public Works facility is located at 1813 Reliance Parkway, Bedford, TX 76021 and the primary emergency contacts for the Utility are as follows:

Cheryl Taylor	Public Works Director	817-952-2256	817-952-2240	Cheryl.Taylor@bedfordtx.gov
David Smyth	Field Operations Manager	817-952-2251	817-952-2240	david.smyth@bedfordtx.gov

Sincerely,



HALFF ASSOCIATES, INC.

Ron King, PE

Enclosures: Maps of Water System and Critical Load Facilities
Bedford Critical Load Facilities Spreadsheet

Critical Load Facilities PUC Filing

City of Bedford

Project # 52299

10/28/2021

Application Type	Customer/Business Name	Emergency Contact (Name)	Emergency Contact (Title)	Emergency Contact (Phone)	Emergency Contact (Fax)	Emergency Contact (Email)
New Critical Load Application	CITY OF BEDFORD	Cheryl Taylor	Director of Public Works	817-952-2256	817-952-2240	Cheryl.Taylor@bedfordtx.gov
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New Critical Load Application	CITY OF BEDFORD	Cheryl Taylor	Director of Public Works	817-952-2256	817-952-2240	Cheryl.Taylor@bedfordtx.gov

Alternate Contact (Name)	Alternate Contact (Phone)	Alternate Contact (Fax)	Alternate Contact (Email)	ESI ID (17 Digits)	Service Street Address	Service City
David Smyth	817-952-2251	817-952-2240	david.smyth@bedfordtx.gov	10443720001255069	1126 Bedford Rd	Bedford
David Smyth	817-952-2251	817-952-2240	david.smyth@bedfordtx.gov	10443720001255038	1126 Bedford Rd	Bedford
David Smyth	817-952-2251	817-952-2240	david.smyth@bedfordtx.gov	10443720000052619	1000 Simpson Terrace Well	Bedford
David Smyth	817-952-2251	817-952-2240	david.smyth@bedfordtx.gov	10443720006106507	1813 Reliance Pkwy	Bedford

Critical Load Facilities PUC Filing
City of Bedford
Project # 52299
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Service Zip Code	Latitude/Longitude (if known)	Mailing Address	Mailing City	Mailing Zip Code	Facility Type	Details to support a Critical Load Designation	Backup Equipment (Yes or No)
76022-6656	32.837507, -97.151829	1126 Bedford Rd	Bedford	76022-6656	Stonegate well/pump station	supplemental source to elevated storage	no
76022-6656	32.837507, -97.151829	1126 Bedford Rd	Bedford	76022-6656	Stonegate well/pump station	supplemental source to pressure plane	no
76021	32.860615, -97.151849	1000 Simpson Terrace Well	Bedford	76021	Simpson Terrace well	SCADA operations	no
76021-6109	32.84, -97.10	1813 Reliance Pkwy	Bedford	76021-6109	Public Works Ops center	Operations Center	yes

Battery Backup (Yes or No)	Backup Generation (Yes or No)	Utility Dual Feed Capability (Yes or No)	Owner of Transfer Switch	Battery Backup Capacity (kW)	Generation Backup Capacity (kW)	Length of Time facility can operate without power	Start-up time needed following a power outage
no	no	no	no	no	no	indefiite from TRA	n/a
no	yes	no	no	no	KW	indefiite from TRA	n/a
no	yes	no	no	KW	KW	indefinite	n/a
no	yes	no/LP only	yes	no	35 KW	unknown	Immediate

