



**To:** Dustin Anderson – Town Manager  
**From:** Stephen Gunty – Director of Public Works  
**Meeting:** September 21, 2020  
**Re:** NOVATEK Automatic Transfer Switch (ATS) Inspection Proposal

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NOVATEK has installed most of the Town's 24 generators (*shown on next page*) and have maintained them for the past 10 years. Each solo generator has an Automatic Transfer Switch (ATS) totaling 22 ATS. These require exercising to insure the electrical conductivity between the 2 metal surfaces, lest corrosion occurs preventing switchover during loss of power events. Past ATS preventive maintenance exercise attempts have been sporadic due to HSD fear of unintended consequences that could result such as damage to pumps, controllers or related equipment (and related costs involved in fixes/replacements) that a power surge from the on/off action might trigger. The reason that this ATS exercising issue is in the forefront now and warrants both Town & HSD attention is that enough time has transpired without testing that contributed to the recent generator switchover failure at the Frederick Ave stormwater pump station.

Both Dee Hinesley of NOVATEK and Public Works have enjoyed a good grassroots level relationship with HSD maintenance personnel and we think HSD will be amenable with this proposal. It involves shutting OFF power from NIPSCO and will require HSD scheduling manpower to oversee the stations in the event of mechanical failure of either the Town generators or any HSD pump/facility equipment affected by either the shutoff, the switchover to generator power or the turn-on back to NIPSCO Power.

NOVATEK's proposal is to coordinate with HSD and exercise the 22 current ATS at 6-month intervals at \$2,230 per exercise totaling \$4,460 annually. In 2020, the ATS can be exercised at a cost of \$2,230. Next year we expect to add 2 new ATS controlling 2 new Generators to this exercise program (FS #1 and the Centennial 45th Street underpass location), with an appropriate contract amendment at that time.

**Budget Note:** There are sewer funds available to exercise the ATS this year.

**Recommendation:** By motion and voice vote, approve the NOVATEK "Services Proposal" (*attached*) to exercise the Town's 22 Automatic Transfer Switches (ATS) at 24 generators at an annual cost of \$4,460, beginning once in 2020 and twice yearly in 2021....as a preventive maintenance measure.

\*\*\* see next page for List of Town Generators \*\*\*

**LIST of 24 TOWN GENERATORS are as follows:**

Potable Water Pump Stations

1. River Bend
2. Calumet Ave

Stormwater Pump Stations

1. West Lakes Subdiv (by Carnaby Pl)
2. Baring Ave
3. Frederick Ave = linked to other 3 generators with 1 shared ATS
4. Frederick Ave = linked to other 3 generators with 1 shared ATS
5. Frederick Ave = linked to other 3 generators with 1 shared ATS
6. Fisher St
7. Superior Ave
8. Jefferson Ave

Combined Stormwater/Sanitary Stations

1. Calumet @ River

Sanitary Lift Stations

1. Dyer Rd
2. White Oak
3. West Lakes Subdiv (by RR)
4. Manor @ Timrick
5. Hohman Ave
6. W. 45<sup>th</sup> @ Calumet Ave
7. Cobblestones Subdiv
8. Twin Creek

Facilities

1. Police
2. Public Works
3. FS 2
4. FS 3
5. Centennial Pk