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**From:** Crumb, Edward F (CoB Project Analyst)

**Sent:** Thursday, December 30, 2021 4:20 PM

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**Subject:** attached FYI: as of 12/31/21 JSTP Capital Project Contract/Expenditure Approval Report ("Chart Report") and as of 12/31/21 JSTP Capital Project "Graph Report"

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This month there was one new Change Order in the net [*reduction*] amount of –(\$397,889.32) with respect to Contract No. 5 (R&R General Construction), reducing the *overall* Contracted Project Costs to \$278.32 million (with \$266.03 million having been paid, or approved for payment, on a cumulative basis) – with respect to contracts beginning on or after July 2011 (as to external Professional Services [with \$47.59 million contracted, and \$47.33 million paid, or approved for payment]) and on or after January 2012 (as to Construction/Demolition work [with \$230.73 million contracted, and \$218.70 million paid, or approved for payment, as well as \$8.48 million withheld as accrued Retainage]). Various Grants operate to reduce the *actual* Net Project Costs (with updated reports as to Grant Status prepared/issued quarterly).

Please also note that, in connection with Dispute Resolution Board [DRB] proceedings, 8 months of Invoices for Contract 5 (R&R General Construction [PC Construction Company]) have been withheld (i.e., not provided to Binghamton City Hall in final, approvable form for processing, audit, etc.) and 11 months of Invoices for Contract 5 are presently pending in line for review/audit, so these reports do not reflect the value of those Invoices.

In supplement to the photographs in this month's *Graph Report* highlighting aspects of the JSTP's energy recovery and combined heat and power (CHP) infrastructure, of note is that:

- ▶ the 180 Trina Solar Panels (installed by Solar Liberty) produce an estimated annual 62,024 kWh per year. **From 04/16/2019 through 11.30/2021**, their actual production has been 137,885 kWh, **avoiding \$5,763.59** in electricity supply charges (@ the current \$0.0418/kWh "grid" supply charge via the municipal cooperative the Joint Sewage Board participates in) **plus** an **estimated \$3,578.11** in electricity delivery charges (@ the current average \$0.02595/kWh variable delivery charge to the JSTP site from local grid operator NYSEG [which average charge is subject to variation based on the JSTP site's electrical maximum "demand", as an industrial customer]).
  
- ▶ the Capstone Microturbine digester gas cogeneration units were started-up during May 2020 and have provided 17.1 months' service (with 2.9 months' [*non-sequential*] down time experienced for engineering and maintenance). Their production **through the end of November 2021** was 1,674,132 kWh, thereby **avoiding \$69,978.71** in electricity supply charges (@ the current \$0.0418/kWh "grid" supply charge) **plus** an estimated **\$43,443.72** in electricity delivery charges (@ the

current average \$0.02595/kWh variable delivery charge). In addition, heat generated by the microturbine units is beneficially used in the JSTP's sludge digestion processes.

Administratively . . .

With **Many Thanks!** for their leadership and support of the Lead Agency's Capital Projects, and **Best Wishes!** upon the end of their respective terms for good health, happiness, and success in their future endeavors, we today recognize Binghamton Mayor Rich David and Johnson City Mayor Greg Deemie for their roles in the Lead Agency's JSTP Capital Projects during their terms in office. The standards they instilled have directly contributed to the overall success of the Projects, as a result of which our local water environment will be benefited for many years to come.

Finally this month,

**In Memoriam:** former City Project Manager Kenneth L. Del Bianco, P.E.

We extend condolences and deepest sympathies to the family, colleagues, and friends of former City Project Manager Kenneth L. Del Bianco, P.E., whose earthly journey reached its end December 25, 2021, as we also rejoice with the community of believers upon Ken's entry into eternal life. Ken served the City's Wastewater Treatment Plant Project Office as a contract Project Manager from February 2015 through June 2017, and then served as the Lead Agency's Project Manager beginning in July 2017 through July 3, 2018. Ken's leadership and thoroughness were instrumental in getting the Lead Agency's *JSTP Restoration and Rehabilitation* as well as the *Solids Handling Improvements* Projects off to a good start, by virtue of which the Municipal User communities have been well-served, and our local water environment also will be benefited for many years to come. An online obituary can be viewed at URL: <<https://www.pressconnects.com/obituaries/bps122490>>.

/s/ Ed

## **Edward F. Crumb**

### **Project Analyst**

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