

**Answers to Wards Island RFEI Questions**  
*Posted 12/28/10*

- 1. Is there any current sense as to what other loads may be added to the new District Energy System (DES) outside of what is in the current DES?**  
*On the heat side, customers from the NYC Parks Department, RISA, and TBTA have expressed interest.*
- 2. In response to the RFEI question, “Would aggregating multiple facilities into one energy project increase the attractiveness of developing each? If so, why?” what, if any, other energy projects might there be planned?**  
*The City has set a broad goal of significantly increasing clean distributed generation in PlaNYC, and there are other facilities in the City, including DEP’s, where waste-to-energy concepts are being looked at.*
- 3. Can you confirm the planned shutdown date of the MPC boiler plant?**  
*The planned shutdown date is November 1, 2012.*
- 4. Can you confirm that all existing thermal energy supply contracts between the MPC and additional facilities (other than the WWTP) on Wards Island will be terminated upon closing of the MPC boiler plant?**  
*Yes, all existing thermal energy supply contracts will be terminated.*
- 5. Will current DES system users be contractually obliged to participate in the new DES, if an economically viable solution is brought to the table?**  
*No, the system users are not contractually obliged to participate in the new DES. However, if the overall project is desirable, then the City could consider being an anchor customer for the heat.*
- 6. The Feasibility Study does not recommend CHP, while the RFEI is looking for CHP as the desired solution. Has something changed in between the issuing of the FS and the RFEI?**  
*The feasibility study only looked at CHP in terms of the WWTP and its operation by in-house staff. The feasibility study did not consider a model that involved other off-takers or third party operators.*
- 7. Is it possible to obtain the scope from the recent electrical upgrade to the WWTP?**  
*The scope of the recent electrical upgrade to the WWTP included installation of a new fifth feeder to WI. Other primary substation upgrades include: 12 new breakers, a new transformer for one breaker, a new bus duct from transformer, three new breakers for emergency generator switchgear, modifying emergency feeders and connections, and providing new breaker interlock scheme.*
- 8. Is it possible to verify the loads for the two oil-fired boilers at the WWTP?**  
*There are no fuel oil-fired boilers at the WWTP.*

**9. Is there any current intention to grant an extension to the Jan 14, 2011 RFEI deadline?**

*Yes, the deadline is extended until Friday, February 4, 2011, 4:00pm.*

**10. How much has the WWTP paid for its power by month?**

*The monthly costs vary with the level of consumption. For Fiscal Year 2010, approximately 8.5 million kWh were used each month (14,516 kW). The average monthly energy cost during the same period was \$728,800.*

**11. Does NYPA charge differently for peak and non-peak usage?**

*Yes, NYPA has different rates for on-peak and off-peak hours. The DEP WWTPs are subject to the NYPA Service Tariff 100, Service Classification 98.*

**12. Does the \$0.09/kwh NYPA fee get adjusted for inflation?**

*No, the fee does not get adjusted for inflation, but there are yearly adjustments based on fixed and variable costs associated with power supply procurement. NYPA is also in the process of decoupling cross subsidization between NYC Governmental customers. This will result in an increased cost per kWh for the DEP that is closer to what other city agencies pay.*

**13. When does the NYPA contract expire?**

*The contract expires in 2017.*

**14. Are the current DES buildings all hydronic buildings (heating and DHW via steam to HW Heat Exchanger)? If the answer is "yes," what is the peak supply temperature on the secondary side of the HX? If the answer is "no," what is the max steam pressure required to the inlet side of the PRV's?**

*For the DHS building, 30 psi of steam is supplied to the building, which is then dropped to 5 to 10 psi at their exchangers to provide 180 degree Fahrenheit heating and 115 degree Fahrenheit domestic hot water.*

**15. Is there any direct steam humidification in these buildings?**

*There is no steam humidification in the buildings.*