

**REGULAR MEETING, MUNICIPAL BOARD**  
**MONDAY, MAY 17, 2010**  
**7:00 P.M.**

**Present**

Commissioners: Blackler, Blackwell, Dolmatch, Hall, Moffa, and DMO Lotkowitz.

**Others Present**

Cliff Abrams                      37 State Street

**Minutes**

Comm. Dolmatch motioned to approve the Regular Meeting minutes of April 19, 2010 which was seconded by Comm. Hall. They were approved unanimously. (5-0)

**Cryptosporidium-UV**

**a. Factory Visit to Severn Trent**

Comm. Moffa commented how enlightening and rewarding the trip was to their factory outside Philadelphia. Their operation is very impressive; they have a very good reputation in both the water and wastewater arena. He and DMO Lotkowitz saw the units actually being made. All, but just a few, parts are made in the USA and most are made right there at that factory. The main thing Comm. Moffa noted was that there are smaller UV units available, which are options to us. They looked at the 2 MGD (Million Gallons per Day) and 1 MGD units. The main difference, aside from size, is their cost and that the 2 MGD unit has been "verified" and the 1 MGD unit has not. The flow mechanics is the difference between the two sizes, not just the bulbs, but for that reason it is required by State and Federal agencies to "verify" against accepted parameters. A copy of the verified-2 MGD unit report is available to the Board. Generally speaking the low flow is not the problem; it's the high flow, due to the reduced contact time. At this time, we need to determine which size unit we need, regardless of the technology chosen; whether it is Severn Trent, Trojan, or Calgon that we use. Comm. Moffa did hear from his contact, the author of the report that ran through the verification studies, down in Johnston, NY. Comm. Moffa stated that his contact's company is ready and willing to give the 1MGD unit its verification and has already given Severn Trent their estimate. Now, we-the Municipal Board, the Village & DMO Lotkowitz, along with the engineer of choice, need to determine: the size of the unit(s), the numbers of units required, and decide on what technology to use. The time schedule will need to be accommodated, if Severn Trent's 1 MGD unit is chosen, to accommodate the necessary verification process. Comm. Dolmatch asked if we are going to write a performance spec that any of the three manufacturers' could meet or is it going to be a proprietary spec once we decide which technology we like. DMO Lotkowitz thinks that he put a performance spec in the RFP, (request for proposal); a pre-purchase of the equipment. He will develop a performance specification that will have to: "meet this" or: "so many MGD", or maybe: "power levels of" (examples of criteria) He thinks these companies will be able to meet the performance characteristics, unless we tighten it so close that we can only afford one unit. The pricing will differentiate the pre-purchase. Comm. Dolmatch asked if DMO Lotkowitz is indicating a purchase will take place before the design is competed or before the bids are complete for installation of pre-purchased equipment. DMO said the second of the two; we will focus on enough design, so that we can put together performance specifications for the unit to go out to bid and shortly thereafter finish up the design documents and go out to bid for that. Comm. Hall asked if pre-purchasing the equipment is to avoid the general contractor's markup. Rather than have the General contractor purchase the unit, DMO Lotkowitz would like the Village to have more control over the type of equipment used, especially since we've done all the research. The general contractor is still going to be responsible for the installation and all those aspects. Comm. Hall asked if the Village will, can and should, have approval rights for the technology they are advocating. DMO Lotkowitz feels we have an opportunity to really save some money along with scrutinize the type of system we get. Comm. Moffa stressed that the maintenance and up-keep requirements need to be identified. It is clearly one of the major advantages that Severn Trent is offering with their system. Their unlimited "on/off" cycles are rare and are so accommodating. The other two company's warranties are void on the lamps if three on/off's/day are exceeded. Comm. Dolmatch asked if we do this as a two-stage bid, where phase one is the Village purchasing the equipment and phase two is the contractor installing the equipment and being responsible for its performance. We can essentially control what it is that we are going to get. Comm. Moffa commented that Comm. Dolmatch has a very good point and our next step is to select an engineer and start getting their input on these kinds of matters.

Comm. Blackler asked if the discussion last month regarding the addition of two new pumps is still the plan with these new designs and figures. DMO Lotkowitz said yes. Comm. Blackler said that it makes for a lot broader project. DMO Lotkowitz referred to his UV project handout and outlined the desired timeline of events that he took from one of the proposals. The units have a four to six month lead time, which will work well if we: "Order the units, complete design, bid installation of units, units arrive, install units." Comm. Hall asked if the three company's units have design differences, he feels there must be some. DMO Lotkowitz said the basic differences are the outlet and inlet locations. Comm. Dolmatch asked if it's clear at this point that we are: opting for one 2 MGD unit, versus two 1 MGD units, versus one 1 MGD with the option to add on a second 1 MGD unit if the need arises. Comm. Moffa said he and DMO Lotkowitz have had discussions on this and its one of the reasons he wants to get an engineer on board. Comm. Moffa would like to see the Village get by with two 1 MGD units and use super chlorination as a back-up. We have to have chlorination anyway so; we could just "up" the dosage on the rare occasion that we may have that problem. We are only talking about a two log reduction in Cryptosporidium. That can be achieved with the high dose of chlorine. Again, he feels the next important step is to get the engineer on board.

### Cryptosporidium-UV

#### b. Mechanical Design Proposals

Comm. Hall inquired why such a broad discrepancy in the pricing of the three proposals received. Comm. Moffa explained to Comm. Hall that Stearns & Wheler has been involved with the Village right along. They have fore knowledge of what's involved with the project. They have a good appreciation for the head-works because they've worked on it. DMO Lotkowitz said they did the Basis of Design report. Comm. Hall asked if we are happy with their performance so far. Comm. Moffa said yes, they've done a good deal of UV design and are actually the biggest in the state and they're right over here at Metro in Syracuse. Comm. Moffa continued to state that he felt Barton & Loguidice had a much more polished proposal, than did Stearns and Wheler. He has some comments for what Stearns and Wheler needs to do in order to get the project. On the other hand, he feels that their figures largely reflect knowledge, general technology and site specific issues. Comm. Blackwell asked what this board has as far as approval in this process. Comm. Moffa replied that the board gives advice and recommendation only to the Village Board who then approves. Comm. all asked if the other two candidates have experience with this type of work. DMO Lotkowitz said that he isn't sure about Plumley, but he's sure that Barton & Loguidice has experience with this type of work, as they're currently doing the installation job over in Jordan Elbridge and he said that they have other references in their proposal. Comm. Moffa stated that they have Ken Kaufmann involved. Comm. Dolmatch said that presumably Ken is in their proposal as a cost savings; however, their proposal is almost double the price of the others. Discussion continued on the proposals and various pros and cons and not to exceed numbers, costs per hour, & hours per week. DMO Lotkowitz explained that if the plans and specs are well documented, he and Zlatko will be able to monitor the daily operations. Comm. Moffa acknowledged that there hasn't been much time to review the proposals, as they have just arrived. Comm. Dolmatch asked if we have an expectation on what the installed cost of the project is. DMO Lotkowitz provided a hand out in the past with that figure, it is attached here. Discussion continued back and forth on the status of the figures. The low 400's is what the group agreed the cost is at currently. Comm. Moffa would like to see a breakdown in a similar fashion that Barton & Loguidice has proposed with the Stearns & Wheler. He is uncomfortable with any kind of lump sump proposal. Comm. Dolmatch said that historically the Village Board is unlikely to choose, or approve a proposal that is open-ended. They usually prefer a closed ended deal. Comm. Hall feels the Stearns & Wheler proposal is complete. Again, Comm. Moffa explained that a good, task breakdown that shows where the effort is lacking in their proposal. It is agreed that the next step is to interview the candidates. DMO Lotkowitz said that he is meeting with Trustee Angelillo, Hubbard and Mayor Green next week. He thinks the Village Board would like to meet with two candidates in the near future. DMO Lotkowitz offered to compile questions for the candidates. Comm. Dolmatch needs time to review the documents in order to come up with questions. The majority of the board members were unable to "open" DMO Lotkowitz's email attachments with the proposals. He will leave them (Plumley, Stearns & Wheler, and Barton & Loguidice proposals) on the Board room table upstairs in the Village Office. Comments should be given to DMO Lotkowitz by Monday, May 24<sup>th</sup>.

The interviews can take place that week and he invites all Municipal Board members to them. He said the Village Board would then like a recommendation from the Municipal Board after the interviews. Comm. Hall & Blackwell inquired if these candidates represent a reduced group from a larger group of engineers that were considered. DMO Lotkowitz replied that these firms were chosen originally, there were no other candidates given RFP's besides these. Comm. Dolmatch told the group that he will be reviewing each candidate using four criteria: 1) Competence of firm, 2) Completeness of services, 3) Pricing basis, & 4) Terms. Comm. Moffa requested that DMO Lotkowitz check the candidate's references with other communities that have used their services to determine competence and their relationships. DMO Lotkowitz will do this.

#### **Corrective Actions for Electric Substation Deficiencies**

DMO Lotkowitz repeated that he has taken care of the first two emergency items listed on his HMT Report handout. Parts are ordered for other work. Some work needs to be performed during the shutdown. Comm. Blackwell stated he is aware of what was reported in minutes last month. He asked specifically what, of the Emergency items off the HMT report of two years ago, is yet to be completed. DMO Lotkowitz explained that the regulators' oil is what has been in need of replacement. A new regulator has been purchased and three have been repaired. They have been swapped in and out with the new one and sent the bad ones out for refurbishment. Comm. Blackwell inquired what will be done on the shutdown. DMO Lotkowitz replied that all insulators need to be replaced with polymers; dead end valves, & cutouts need to be replaced. When the Eastern feeder parts come in, a shutdown could be done. DMO will shoot for the second Saturday in September, after Labor Day, after the busy season. (9/11) Comm. Dolmatch asked why not order the parts and have them ready in the event of an unexpected shutdown. DMO Lotkowitz explained that the areas in need are not really emergencies and can wait for a scheduled shutdown in the fall. Comm. Blackwell stated that the timing should be that we do infrared studies periodically and we shouldn't be scheduling this for six months down the road, when these problems were identified over two years ago. He said he keeps pushing this, because he knows there's a way to get it done sooner. He's not blaming DMO Lotkowitz, as the report was done before his employment with the Village, but we need to get this done. Comm. Hall asked what the specifics are for the shutdown. DMO Lotkowitz replied that it will be done after the restaurants and pubs close on that night until sunup. Groton will be assisting us. We will have two crews overhead and a crew on the ground working on the other items. Comm. Moffa asked if DMO Lotkowitz was aware of the power outage in Parkside around 3pm earlier in the day. He was not aware, it was not Village outage. Both Comm. Dolmatch and Comm. Moffa experienced it.

#### **Stimulus Bill-Status of Applications**

DMO Lotkowitz does not have an update on these at this time.

#### **Status of Village Proposal to PSC (increase electric rates)**

Trustee Angelillo was not present again, but the Commissioners expect him soon and to give an update on this topic.

#### **Status of NYPA Solar Power System Host Site**

DMO Lotkowitz announced that the Village has been granted an increased amount of money from NYPA. We are now receiving \$225,000 rather than \$125,000, since we responded quickly and have a place for the money to be used. The program requirements are still the same; we need to find two additional buildings that can produce 10kw and NYPA will still pay \$4 per watt. Comm. Blackler asked if this is state money or power authority money. DMO Lotkowitz replied that it's power authority money. Comm. Dolmatch said that the benefit to the rate payer is that the purchased power will be reduced. He would like to know what the annual savings will be. What has DMO Lotkowitz calculated as the savings? Comm. Blackwell agrees. He isn't comfortable with endorsing a project that doesn't show a clear savings to the Village. The money is coming from "us" even though it is grant money. He wants to know what the cost is to achieve what amount of saving. Besides the grant money, there will still be money spent to save a certain amount. These figures need to be determined. Comm. Blackwell inquired what the Municipal Boards position is on this project, as he had not been asked up to this point. Comm. Moffa said that the board has already endorsed the project. Comm. Moffa stated that there is a certain amount of immeasurable value to lowering the carbon footprint.

Comm. Blackwell agreed and said to put that into the equation. DMO Lotkowitz reminded the board again that he had done a spreadsheet, in the past, at Welch Allyn to calculate this. Comm. Moffa asked the board if we are going to continue to look for two other places now that we have additional grant money or do we stop. He suggests that we come up with two other locations. Comm. Hall asked if the type of technology had already been determined, when the project was endorsed. Comm. Moffa replied that it hadn't, he said DMO Lotkowitz is still evaluating. The School, the Recreation Center and the Fire House were all discussed as potential sites to add to the list. Comm. Blackler asked what size the site needs to be. DMO Lotkowitz replied that it has to produce 10 kw. Comm. Blackler asked again, what size, in footage. DMO Lotkowitz said that 7600 sq ft produces 50 kw. Comm. Dolmatch calculated 150sq ft/kw, and said that the apparatus bay in the fire house is approximately that size. Comm. Hall asked if the water tower storage facility is suitable, and accessible. Comm. Dolmatch said yes and what about the pump house. DMO Lotkowitz agreed that the old pump house is a good option. Comm. Hall asked if the technology is going to be the same on all sites or are we going to go with a couple different ones. DMO Lotkowitz replied that we essentially need to obtain three bids, as the project is over \$3,000. Comm. Moffa said that the thin-film technology has the distinct advantage of being able to produce power on cloudy days. In this area, the probability of the high amount non-sunny days almost forces us to take a close look at the thin-film technology. Comm. Hall asked if it has to be solely solar power. DMO Lotkowitz replied yes, it has to be photo-voltaic. Comm. Moffa stated that a lot of the costs are going to be in finding structures that can accommodate the panels in question. The roofs have to be new or close to new. (Minutes Sept 21, 2009) He mentioned that there is a company called EDC out of Michigan whose panels are so fine, that they can lie on any existing roof. Comm. Blackwell asked if a bid had been received on a thin-film technology yet or any data on thin-film. DMO Lotkowitz said that we had a bid from Warner Energy and based on their cost it's more expensive. Comm. Blackwell asked about their power generation. DMO Lotkowitz replied that they generate less on a square foot basis. For the same size standard panel, which produces 230 watts; the similar size thin-film panel only produces 50 watts. Comm. Moffa said, but the question is, given a certain amount of sunlight exposure over a year, how much return are we going to get, from those that require full sun. DMO Lotkowitz said these companies provide an analysis of what an annual generation for a given area is going to be. Comm. Dolmatch asked what happens with the snow. Comm. Moffa explained that the 25% to 45% slant of the panels keeps the snow from gathering. As the power is produced, the snow melts and slides off. Drifting is the only real problem, which collects at the bottom, near the ground. Comm. Hall asked when we are going out for RFP's. Comm. Moffa said after DMO Lotkowitz gathers more information on a third type of solar panel, we will go out for RFP's. Comm. Blackwell said that it is an important responsibility of the Municipal Board to advise the Village Board on how much power we could potentially get from this solar system and the value of that power, whether we are going to pay for the equipment or not (grant). He feels the Municipal Board is responsible in that respect. Comm. Blackwell agreed. Comm. Blackler asked DMO Lotkowitz how we can achieve that. DMO Lotkowitz said he would be given information from the bidders on production and pay back; but how that relates to the village bills, is what we need to look at. Comm. Blackwell reiterated that that is what he and Comm. Blackler are asking be done; look at how each company will benefit the village. That needs to be done. Comm. Dolmatch said that the capital costs are location specific. Most of the companies he has bids from have given amounts for roof repair and the "tie in" to the local grid. Comm. Dolmatch asked what the costs are showing. DMO Lotkowitz said that the extra amount above the \$4.00 (grant) is \$1.50 additional per watt (Village cost) Comm. Blackwell asked what we will be generating power at, when it's all said and done, relative to our peak power. DMO Lotkowitz said the analysis hasn't been done. Comm. Dolmatch asked if that is something DMO Lotkowitz will do, or CHA? DMO Lotkowitz said that we will be doing it. He has all the Village history. Comm. Dolmatch stressed again, there are capital costs; a design needs to be done and we will see whether \$4.00/watt is a nice price. Comm. Moffa said these companies will do a turn key and will prepare a design for us. Comm. Dolmatch said that you need to be aware if it get's up to \$8.00/watt, then \$4.00 per watt grant money is no longer attractive. Comm. Hall asked what the next step is in this process. Comm. Moffa said that DMO Lotkowitz is going to get competitive prices from these companies specific to each building.

### NYISO Power Shaving

DMO Lotkowitz explained that NYISO (NY Independent System Operators) contracts with 40-50 municipalities to get people to sign up and get their generators ready. NYISO pays them. One of these companies called him and they told him he could probably get \$2,000 per year by just having our generators ready. We could get paid \$500 per hour if we run it during peak times in the summer. He met with the representative and DMO Lotkowitz is going to give him some copies of power bills. These people want to hold onto the minimum amount. Comm. Blackler asked who pays for the generators. DMO Lotkowitz said we use our own generators at the WWTP. They pay us for the fuel and they pay us for the power and the stand-by. DMO Lotkowitz said that since we are running our generators, we are reducing our peak power usage.

### AMR

Comm. Blackwell requested that the AMR spreadsheet being sent out by DMO Lotkowitz be sent out in readable form. There's a lot of extra space on it to enlarge. It is much too small of print, and when enlarged, it can't be printed out on one page. DMO Lotkowitz will do so. Comm. Hall said that he has compared the last two AMR handouts and there is almost no change. Is it safe to say there has been no progress with this last month? DMO Lotkowitz said that the progress is more in the water dept. Comm. Blackwell asked what the percentage of completion is on the project. Referring to the handout, DMO Lotkowitz said that the electric meters are 68% installed and the water meters are 37% installed. The overall water project is 33% complete. Comm. Blackwell asked about the billing. DMO Lotkowitz said that there was a major discussion about the Williamson Law Book company at the last Village Board meeting. They need to be jumpstarted to complete some updates/changes to make to the system work. Alternatively, the Village is looking into another billing system. Comm. Blackwell is confused, why EJP, who sold us the package isn't working this situation out. They said that they would tie into our DOS billing system. This is not a Williamson problem. DMO Lotkowitz said that this is a Williamson problem; they are the ones who are delaying this project. Comm. Blackwell repeated what the agreement was: "We have a billing system, we will install AMR, EJP will make it compatible with our billing system and make it seamless." Everybody knew it was a DOS system when this was initiated. Comm. Dolmatch said it sounds like a "catch 22", but the plan is to lean on Williamson to make the necessary changes to accommodate the AMR requirements. Comm. Blackler said we can't pay money to convert to a DOS system. Comm. Blackwell said there is **no** conversion to a DOS system, we **have** a DOS system and EJP agreed to integrate their AMR system to **our** DOS system. Comm. Hall requested copies of both the Williamson Law Book agreement and the EJP/AMR agreement. He will research and lend a hand on the issue. Comm. Blackwell asked what the status of the inoperable meters is. DMO Lotkowitz said nobody has gotten back to him on why these meters aren't working. He has called and called. Also, the 230 electric meters that stopped reading. That problem has been solved. There was a switch that was inoperable. Comm. Blackler said that DMO Lotkowitz already reported that at last month's meeting. Comm. Moffa asked if the inoperable meters have been replaced or have we received credit. DMO Lotkowitz said that we have received neither, but he has ordered and paid for more to replace them and sent the bad ones back for credit. Comm. Moffa said we need to put some pressure on them. DMO Lotkowitz said that the Village Board is putting pressure on Williamson. Comm. Moffa said he feels the pressure should be put on EJP about those meters. Comm. Blackwell said meters are not supposed to be being paid for. The agreement was that no meters in this project were to be paid for until the meters read and communicate two ways and are tied into our system. It's in our contract. Comm. Moffa said that this has been brought up to the Village Trustees before and it's up to their judgment.

### CHA -Proposal

DMO Lotkowitz said that he has asked them to revise and update the assessment of the condition of our village electrical system. Back when Trustee Hubbard was on the board, the original proposal was for \$12,725. They have come back with various additional proposals. The previous quote was just for the overhead and underground distribution condition evaluation. Comm. Moffa asked if DMO Lotkowitz feels these are all necessary at this point or are there other priorities taking place right now. DMO Lotkowitz replied that at some point in time, he'd like to get another quote on the overhead and underground. He feels that they are a good company, and would like to have them come back in the future. Comm. Moffa asked if DMO Lotkowitz could distribute a copy of the proposal at the next meeting and provide the Municipal Board members with a timeline that he feels is necessary for these

things to take place over the next year or so. DMO Lotkowitz asked if the board wants to go ahead with the original approved \$12,275 evaluation. Comm. Blackwell asked what it's going to do for the Village. DMO Lotkowitz said it's an independent evaluation of our system. Maybe there is something out there that we missed, or should be aware of. It would put our system at some level of compliance. When we do our annual inspections, we could refer to what they suggest and work accordingly. Comm. Hall asked if they would be provided a copy of the assessments that the Light Dept and DMO has been doing already. DMO Lotkowitz replied that he would provide them with all of that. Comm. Hall and Blackwell both agreed that may not be a good idea to give that to them. Comm. Dolmatch said that in the past there was a need for this study to be done and most of those reasons have melted away. Comm. Blackwell would like to have DMO Lotkowitz reassess the need for this study. Comm. Dolmatch agreed and added that he'd like to see it tied in with an overview of its need for us in the future. Comm. Moffa thought they were going to provide us with a computerized depiction of our system. DMO Lotkowitz said that is a different line item in the proposal. Comm. Moffa and Comm. Dolmatch agreed that we have a pole diagram right now, that the Village paid \$15,000. Comm. Blackwell explained that the important thing with a data base is that it must stay current. He asked that DMO Lotkowitz investigate. If we do pay for a data base, we need to use it and keep it current; unlike the pole diagram that is sitting on a shelf somewhere. Comm. Dolmatch said that it goes back to a needs assessment. Comm. Moffa asked DMO Lotkowitz to go back to CHA and verify what we would be getting for the \$12,000; does it include a data base, and will it bring us current to what we have. We seemed to have just scratched the surface of what we actually need. He asked that DMO Lotkowitz bring the information back to the Municipal Board at the next meeting. Comm. Hall inquired if it would be in the Microsoft Access program. DMO Lotkowitz said that he has eight books of inspection reports for the underground and overhead, along with stray-voltage reports. He could use somebody's help inputting the data into the system he has already set up and avoid CHA's services. It would take probably three weeks. The Commissioners asked DMO Lotkowitz to see if he could get an intern (high school or college student) to enter the data. Comm. Moffa asked for a recommendation from the board for DMO Lotkowitz to obtain part-time help to input data for approximately three weeks. Comm. Blackwell made the motion, Comm. Hall seconded the motion and all members agreed that it should be suggested to the Village board that DMO Lotkowitz obtain the necessary help. They all agree that a college student with electrical experience would be ideal.

#### **Insulation Program-IEEP/NYPA**

DMO Lotkowitz said that the Village Board signed the agreement and it was sent to NYPA. This starts This will identify the homes that fit the 2 main criteria: the homes have to be powered completely by electricity and have less than eight inches of insulation in their attics. His goal is to have the program implemented by this coming winter season. Comm. Hall asked how the insulation is procured. DMO Lotkowitz said that the IEEP program procures the insulation and the contractors, at no cost to the customer and the Village repays the low cost .73% interest loan back to NYPA out of our IEEP budget, which is approximately \$30,000 per year. This money is collected from all residents in the form of a fee on their monthly electric utility bill. The money is collected for this purpose, and we need to start spending the money on the residents. DMO Lotkowitz has two other plans to help Village electric customers: compact fluorescent lighting and appliance rebates. The details have not been worked out completely yet. He'd like to work with the local ACE hardware store.

#### **NEW BUSINESS**

Comm. Blackler asked for information regarding the bonding for the W. Lake St. project, and the power being placed underground. DMO Lotkowitz explained that a homeowner on W. Lake St. will be paying to put his power underground along with a few other residents on the street. The Village is not paying for that. He continued to explain that the rest of the project will be bonded, which includes storm sewers, roads, water lines, & curbing. There will be no change to the existing sidewalks.

#### **Next Meeting**

Comm. Moffa noted that the next meeting will be on June 21, 2010.

**Adjournment** The meeting was adjourned at 9:00 p.m.



Audrey C. Clark  
Deputy Clerk/Treasurer

Milestones - Due Dates - Project Status (05/10/10)	Date & Status
Design Team Contract Award	05/24/10
Village Review - Equipment Purchase Documents	08/16/10
Bid-Phase Equipment Purchase	09/30/10
Village Review - Installation Documents	11/15/10
DOH Review/Approval	12/13/10
Pre-Bid Meeting (Installation)	12/20/10
Start Installation	03/14/11
Project Complete	07/25/11

<p>Major activities since last meeting:</p> <ul style="list-style-type: none"> <li>- Received proposal for UV Design services</li> <li>- Factory visit to Severn Trent (4/21)</li> <li>- Reviewed ST product with testing agency</li> <li>- Provided contract info to NYSERDA for ARRA grant</li> </ul>	<p>Major activities for next period:</p> <ul style="list-style-type: none"> <li>- Factory Visit to Trojan Industries</li> <li>- Select design firm for UV system design</li> </ul>
<p>Resource issues:</p> <ul style="list-style-type: none"> <li>- Need mechanical/electrical design for proper bidding of installation of system</li> </ul>	<p>Schedule/Project risks:</p> <ul style="list-style-type: none"> <li>- Schedule is ok for now with built in slack time but need to get design engineer on board</li> </ul>

# HMT Report Items

<u>Feeder</u>	<u>System</u>	<u>Condition</u>	<u>Status</u>	<u>Notes</u>
Eastern Feeder	Voltage Regulator Phase A	Emergency	Repair Complete	
Western Feeder	Voltage Regulator Phase A	Emergency	Repair Complete	
Western Feeder	Voltage Regulator Phase c	Emergency	Repair Complete	
Fennell Feeder	Voltage Regulator Phase A	Severe	Regulator Out for Refurbishment	
Jordan Feeder	Center Regulator By-Pass	D	Repair Complete	Feed from Fennell
Eastern Feeder	Center Recloser By-Pass	M	Repair Complete	Feed From Onondaga
Western Feeder	Vacuum Breaker By-Pass	M	Parts Ordered	Place in by-pass
Eastern Feeder	Center Recloser	D	Parts Ordered	Need Shutdown
Onondaga Feeder	Dead-End Bells	D	To be scheduled	Need Shutdown
Western Feeder	Dead-End Bells	D	To be scheduled	Need Shutdown
Riser Pole 14L	Far West Cut-Out	M	To be scheduled	Need Shutdown
Hannum/Genesee MH	600A Dead End Break Elbow	D	To be scheduled	Need Shutdown
State/Genesee MH	600A Dead End Break Elbow	I	To be scheduled	Need Shutdown
Pole: across from M&T	Connection to Trans.	M	To be scheduled	Repair Hot
Pole: across from St. James	Cut-Out	M	To be scheduled	Replace all Cut-Outs

4/19/2010\_Updated 5/17/10  
REL

HMT Report

AMR System for Village of Skaneateles Electric & Water Works	
Milestones - Due Dates - Project Status (05/10/10)	Date & Status
Water Meter Installation	05/31/11
Electric Meter Installation	12/31/10
Billing Interface	
Install Network connection and Configure Router	05/31/10
RNI Relocation from Town Offices to Tower Facility	06/30/10
Phase 1 Complete (Billing Interface working 100%, start reducing routes)	
Project Complete	09/01/11

<p>Major activities since last meeting:</p> <ul style="list-style-type: none"> <li>- Continued installation of water/electric meters</li> <li>- Revised Expenditure Tracking (see attached)</li> <li>- Working with Sensus to resolve meter issues</li> <li>- Continued mailing of appointment requests</li> <li>- Resolved "non-read Electric Meter Issues" except for ones requiring Williamson Law upgrade of system</li> </ul>	<p>Major activities for next period:</p> <ul style="list-style-type: none"> <li>- Continue Water Meter Installations, order more electric meters</li> <li>- Resolve "Dead" meter issues</li> <li>- Follow-up with Williamson Law on tasks they needed to complete</li> <li>- Start planning of RNI relocation</li> </ul> <div style="text-align: center;">   Updated Budget  051010 </div>
<p>Resource issues:</p> <ul style="list-style-type: none"> <li>- Need additional resources to help with: getting letter to customers and installing water meters</li> </ul>	<p>Schedule/Project risks:</p> <ul style="list-style-type: none"> <li>- Schedule is based on current staffing levels and workload including maintenance and projects.</li> </ul>

## AMR Expenditures

Period Ending 4/30/10

### AMR Approved Costs

	# Units	Unit Cost	Approved Total	# Units	Cost	Total Billed	Remaining
Single Phase Electric Meters w/ Integral AMR	1455	\$85.00	\$123,675	1,078	\$84,324	\$87,124	\$7,200
Three Phase Electric Meters w/ Integral AMR	25	\$350.00	\$8,750	55	\$17,380	\$5,480	\$11,900
Wall Mtd for Sensus SR8 Touch Coupler	1105	\$102.25	\$112,986	586	\$59,200	\$49,990	\$9,210
PI Mtd for Sensus SR8 Touch Coupler	10	\$107.85	\$1,079	0	\$0	\$0	\$0
Replacement of Water Meters (5/8")	700	\$72.50	\$50,750	318	\$21,228	\$14,987	\$6,219
	3/4"	0		36	\$4,386	\$4,386	\$0
	1.5"	0		1	\$350	\$350	\$0
	2"	0		1	\$1,200	\$1,200	\$0
	3"	0		0	\$0	\$0	\$0
	4"	0		1	\$2,089	\$2,089	\$0
	6"	0		0	\$0	\$0	\$0
Misc. Electrical (Adaptors, etc.)				1	\$7,858	\$7,858	\$0
Misc. Plumbing Supplies/Expenses				1	\$758	\$758	\$0
System Controller	1	\$27,750.00	\$27,750		\$0	\$0	\$0
Tower Gateway Base Station	1	\$80,000.00	\$80,000		\$0	\$0	\$0
<b>Total Costs</b>			<b>\$404,991</b>		<b>\$208,781</b>	<b>\$174,232</b>	<b>\$34,529</b>

Electrical labor  
Water Dept. Labor

\$133,347

### AMR Remaining Expenditures

# Units	Unit Cost	Remaining Total	Total Cost	Approved Vs. Budget
377	\$85	\$32,045	\$123,675	\$2,694
0	\$350	\$0	\$17,380	\$8,690
509	\$102	\$52,045	\$112,986	-\$1,741
10	\$108	\$1,080	\$1,080	\$0
384	\$73	\$27,840	\$49,046	-\$1,704
		\$4,386	\$4,386	\$0
		\$350	\$350	-\$350
9	\$1,200	\$10,800	\$12,000	\$12,000
4	\$1,520	\$6,080	\$6,080	\$6,080
1	\$2,640	\$2,640	\$4,729	\$4,729
4	\$4,560	\$18,240	\$18,240	\$18,240
1	\$6,151	\$6,151	\$14,009	\$14,009
1	\$4,242	\$4,242	\$5,000	\$5,000
1	\$27,750	\$27,750	\$27,750	\$0
1	\$80,000	\$80,000	\$80,000	\$0
		<b>\$288,913</b>	<b>\$477,673</b>	<b>\$188,760</b>

### AMR Total Project

Total Project	\$477,673
Local Grants/Shared Costs/Regulated Savings	-\$68,211
Projected Project Costs	\$385,240
Original Approved Village Budget	\$317,988
Project Project Overage	\$71,252
Costs Not Included in Original Estimate	\$68,038

### AMR Units Installed

# Approved	8/10/09 % Complete	9/28/09 % Complete	10/31/09 % Complete
Single Phase Electric Meters w/ Integral AMR	485 33.3	597 41.0	697 47.9
Three Phase Electric Meters w/ Integral AMR	10 40.0	10 40.0	10 40.0
Wall Mtd for Sensus SR8 Touch Coupler	151 13.7	191 17.3	232 21.0
PI Mtd for Sensus SR8 Touch Coupler	0 0.0	0 0.0	0 0.0
Replacement of Water Meters (5/8")	20 4.3	63 9.0	104 14.9
	11/30/09 % Complete	12/31/09 % Complete	1/31/10 % Complete
	697 47.9	697 47.9	697 47.9
	16 64.0	16 64.0	16 64.0
	259 23.4	297 26.9	297 26.9
	0 0.0	0 0.0	0 0.0
	131 18.7	169 24.1	193 27.8
	3/8/10 % Complete	3/31/10 % Complete	4/30/10 % Complete
	839 57.7	984 67.6	985 67.7
	16 64.0	16 64.0	16 64.0
	336 30.4	351 31.8	363 32.9
	0 0.0	0 0.0	0 0.0
	232 33.1	247 35.3	259 37.0

Prepared By:  
Bob Laskowicz  
5/10/2010