



**PUBLIC WORKS AND UTILITIES STANDING COMMITTEE**  
**Thursday, June 3, 2010**  
**7:00 a.m.**  
**Public Works Facility Conference Room**

**MEETING NOTES**

Danny Paggao called the meeting to order at 7:02 a.m. Public Works Standing Committee Members in attendance were Danny, Rick Almberg, and Scott Dudley. City staff in attendance was Mayor Slowik, Paul Schmidt, Cathy Rosen, Eric Johnston, Steve Powers, Steve Bebee, Sandra Place, Hank Nydam, and Kathy Wagoner.

**Review Meeting Notes – May 6, 2010** . No changes or questions. Scott asked, with some of changes being made concerning committee meetings, if meeting notes needed to be approved. Paul said meeting notes are reviewed only, not approved.

**Wastewater Collections – RBC Diversion Pump Station** . Steve Bebee gave a Power Point presentation on the RBC Wastewater Treatment Plant's 750kw Generator and 3<sup>rd</sup> Pump Addition. See copy of presentation attached. The housing on the generator was put on to keep it as quiet as possible for the nearby residents. The project came in below bid. The old generator goes back to DNR; Public Works cannot sell it. There is 25 year life for the generator and is on a replacement schedule plus cost estimated.

**Engineering – Update Pioneer Way**

1. *Public Involvement* . Eric said there was good feedback from EnvironIssues from the business owners. He then went over the timeline chart stating the Pioneer Way Project will break ground in January 2011.
2. *Design Status* . Eric discussed what the design team is doing. The permit process as started with Perteet; going through the normal permitting process. The Shoreline Permit will go through the City Council then through the Department of Ecology, who has the final approval. Questions asked and answered concerning the chart included: The workshop scheduled for June 23 will be on or about the 23<sup>rd</sup>. EnvironIssues and Perteet will have representatives at the public hearing. The public will be notified about the meeting through Channel 10 and direct mailings. Puget Sound Energy (PSE) and Verizon do things differently. The City wants PSE to do what we want them to do, not what Verizon says.
3. *Scheduling* . PSE has started work on Pioneer Way.
4. *Funding* . The June 15, 2010, Pioneer Way Improvement Funding Commitment Agenda Bill is a repeat of the November 17, 2009, Agenda Bill approved by the City Council. The June 15 Agenda Bill seeks adoption of a resolution to designate the basic funding sources for Pioneer Way improvements. A resolution designating funds for a specific purpose or project requires funds be reserved in a special accounting classification that restricts the funds from being available for use for general purposes.

REET funds are used for City Capital Improvements. Scott asked if the proposed amendment will compromise utilities; Eric said the funds are in place without compromising the utilities. The undergrounding cost will be about \$2 million, which is a City of Oak Harbor cost. REET II are set costs. Scott asked if using REET funds can be delayed; Eric said they can be but it will affect the Pioneer Way starting date. Once costs are known concerning undergrounding. Scott asked how the City Council would be notified as to what the business owners will be billed. Eric answered communication concerning power hook-ups is not an action for the Council and the City will only have a ballpark figure. No transformers will be allowed within 50 feet of Pioneer Way. Business owners will have to pay for hookup to underground utilities. Not a cost from the City, a cost from the contractor. Steve Powers said the underground utilities are being done partly because of input from downtown business owners. Mayor Slowik said the City didn't want to charge downtown with a LID which is the reason using REET funds. Danny asked that the City keep business owners informed.

Scott asked if there were any other funding options besides using REET 1 and REET II. Mayor Slowik said the County Commissioners have been shown Pioneer Way. The City needs to make application in August 2010. This is a short window and \$100,000 will be asked for. On Senator Patty Murray's desk is a request for Federal Funds of \$2 million. Will be brought before the Senate in July but doesn't know if we'll get it. The Mayor also said we are in a tough economy and it is difficult to find funding.

### **Wastewater Facility Plan**

The cost will be over \$1 million. Eric asked Carollo for a pared down version. The plan will be discussed in detail at the July 1 Committee meeting. A representative from Carollo will be at the July 1 meeting as well as the July 6 City Council Meeting. Paul said the plan won't be rammed through if it isn't ready. This is a significant undertaking with significant cost. Rick said he doesn't understand why so much money. Eric said because using a specific form with specific expertise.

### **Outfall**

Steve Beebe gave an update on the outfall break. The City used C. Johnson Construction. There were five holes the size of footballs. They made repairs to the holes they could see. The pipe is 60" cast-iron. Contractor coming today (June 3) to say how could be fixed. Possible slip line of pipe. Steve guessed further repair costs would be about \$250,000 (following laughter, Paul said it could possibly be much more). Steve said there isn't a solution yet because just getting started. See attached Power Point Presentation.

### **Equipment/Purchasing - Fuel Island Upgrade Equipment**

Sandra stated the purpose of the Agenda Bill is to authorize staff to purchase the necessary equipment to upgrade the fuel island.

The City's fuel island is used by every City department. The current equipment is outdated and additional fuel storage is necessary to meet the City's need in an emergency situation. The purpose of the project is to add additional fuel storage for both diesel and unleaded fuel, upgrade the monitoring and control systems and to add the required leak monitors and alarms. The upgrades will extend the life of the fuel island, allowing the City to save money with fewer delivery charges and increase the storage capacity. Northwest Pump and Equipment Company is currently on the State Contracts and is the same company that installed the existing equipment. The State Contract pricing offers a 10-25% cost savings on all materials and

supplies. The cost for the purchase of the fuel island equipment per Northwest Pump and Equipment Company's quote is \$133,972.32.

### **Parks**

Hank gave an information item only report on the youth-run events sponsored by the Teen Activity Council. The events will be Tuesday afternoons at Fort Nugent Park starting June 22 and going to August 31. The events will be youth-run and free to high school youth and will include food and activities such as rugby, badminton, volley ball, yoga, a climbing wall, capture the flag, soccer, softball, flag football, Frisbee golf, and more. The existing partners are the oak Harbor School District, North Whidbey Park and Recreation District (NWPRD), NAS Whidbey Youth Center, and Island County Public Health. NWORD is covering the program under their insurance coverage, and NWPRD and the Navy Youth Center have paid staff that will be working the program.

### **Public Works Director's Comments**

Cathy had no comments. Mayor Slowik thanked Hank and the Parks Department for the hard work in getting the makeshift fields ready for the soccer tournament held over Memorial Day weekend.

**Next Meeting** . July 1, 2010, 7:00 a.m.

**Meeting Adjourned** . 9:05 a.m.

## RBC Wastewater Treatment Plant 750kw Generator and 3rd Pump Addition



### Why was this project necessary?

- With a .7 MGD limit on our NPDES permit for treatment capacity at the RBC, substantial flows (1.2 MGD) must be diverted to the Lagoon via two pumps, a large 150hp and a 60hp centrifugal pump.
- At times periodic maintenance is required or break downs occur. If that happens to the 150hp pump, operators get nervous.

### Why was this project necessary? (Cont.)

- The 250kw generator and ATS could only power the critical equipment for treatment.
- A 60hp diversion pump tied to the treatment power grid would maintain a reasonable flow until a Duty Operator could respond.
- A backup trailer mounted generator with a MTS would be connected to power the larger 150hp pump.

The solution was a generator capable of running all pumps and equipment with automatic transferring capability and a third pump to provide redundant pumping capabilities.

### The 3<sup>rd</sup> pump

With flows increasing and equipment aging, a redundant pump was needed to be added to the Diversion pumping station.

- The previous configuration of diversion pumps included a 150hp 2000gpm lead pump with a 60hp 1200gpm lag pump.
- The new configuration is two alternating 150hp pumps and the 60hp lag/backup pump.

### 750kw Generator Project with Sound Attenuated Enclosure



The Truck and Crane arrive on site.



Placing the generator on the new pad required removal of fencing and maneuvering the unit as close as possible to the pad in order to avoid power lines during the lift.



Hooking up for the lift.



The Lift

At nearly 40,000 pounds, it required large equipment and careful placement.

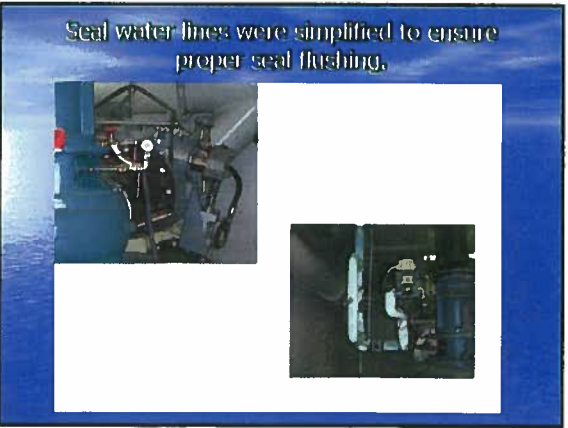
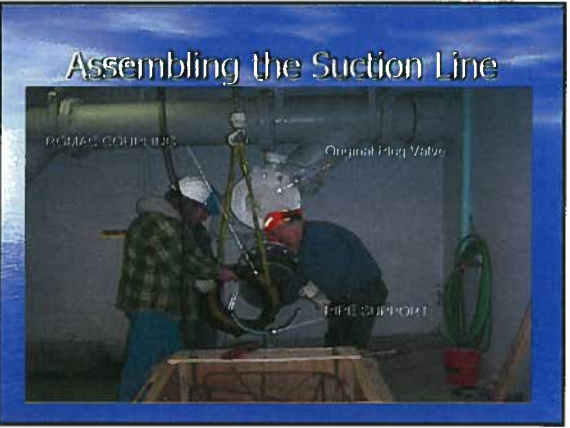
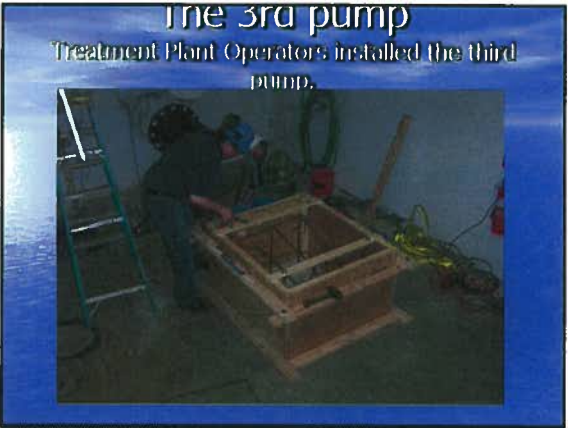
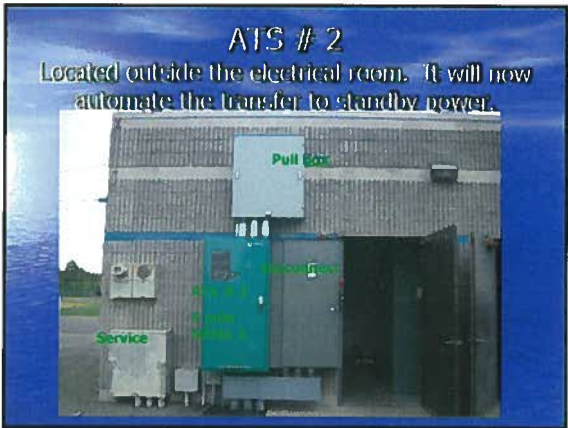
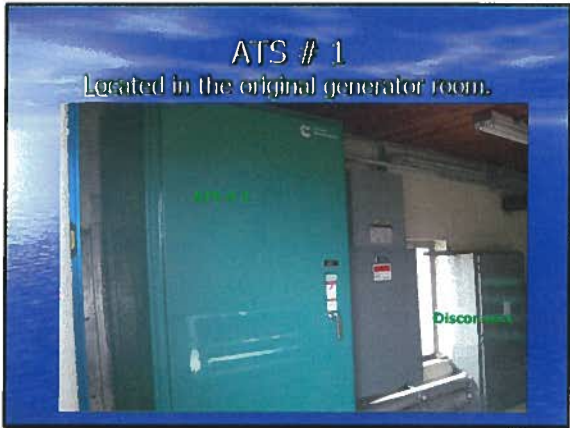


Tolerances were tight and had to be exact to allow room for enclosure doors to open. Notice the building's eave, which had to be modified.



The large crane required to do the lift had to be placed perfectly to allow rotational movement. The fence had to be pushed out a few inches. You will notice a 2x8 supporting the fence and distributing the pressure.





The completed 3<sup>rd</sup> pump



## The End

Thanks,  
Wastewater Team

Outfall Update



On May 26, 2010  
The repairs began on the outfall  
that was installed in 1956,



C. Johnson Construction started to  
setup.



An excavator, shoring, and  
pumping were the main equipment  
used.



Once the pipe was exposed, the extent of the eroded pipe became clear.



C. Johnson and City employees placed bands on pipe.



Five repair bands were used in 10 to 12 feet.



Even the supervisors get dirty.



Project Complete

