

## SOLIDS MASTER PLAN BRIEFING TO EXTERNAL STAKEHOLDER GROUP

16-Mar-16

WPCP - TRAINING ROOM; 7:00PM

### ATTENDEES:

#### Guests:

Lindsay Demidovich, LBCA  
Peter Robertson, FAAC  
Jesse Boeding, CivFed, Exec Comm.  
Sarah McKinley, CivFed, Neighborhood Advisory Committee  
Brenda Pommerenke, ARCA  
Mike Hanna, E2C2  
Paul Guttridge, AHCA

#### County:

Tom Broderick, Bureau Chief, WPCB  
Mary Strawn, Project Engineer, WPCB  
Sarah Pettit, Communications Staff, DES

#### Consultants, CDM Smith Team:

Samantha Villegas, External Affairs  
Patti Psaris, Engineering  
David Schwartz, Engineering

### ATTACHMENTS:

Slide Presentation 3/16/16

### NOTES:

Samantha welcomed everyone and re-introduced the team for newcomers. Samantha is the community point of contact and her email is [samantha@savipr.com](mailto:samantha@savipr.com).

Tom added his welcome to the group and made a customary safety announcement for the benefit of all in attendance and turned the meeting over to Mary.

Mary began with a review of the schedule - we're one third of the way through the Study Phase. The Condition Assessment is complete and we are finalizing the Immediate Needs project.

Patti provided a brief overview of the biosolids regulations and what the County must anticipate as it considers how to handle biosolids. Patti then led the group through the paired comparison.

The following chart captures the question and answer exchanges made during the meeting.

Person	Description	Category	Response	Action
Sarah	Does the capacity include Alexandria	Capacity	Yes, they are included in these figures.	
Sarah	Have we experienced overflows of wastewater into our waterways	Capacity	Occasionally, in the past, prior to the upgrades we made to the liquids treatment train, we did.	
Jesse	Does "flow" refer to both solids and liquids	Capacity	Yes, but we also look at them separately, in the context of the treatment trains.	
Mike	Did you receive projections (population) from Alexandria?	Capacity	We are aware they are increasing density, though I am not sure whether we received any specific info on projects going forward	Take a closer look at Alexandria and Fairfax development projects.
Paul	How much flow comes from Alexandria, Fairfax and other jurisdictions?	Capacity	The 40 MGD includes all flow from outside Arlington. Alexandria and Fairfax are 3 MGD each and Falls Church is 0.8 MGD.	

Brenda	Do funds change hands for the flow from outside the County?	Costs	Yes, we collect fees for both capital costs and annual operating expenses.
Sarah	On the mass balance equation, does X represent everything going in and y is what comes out?	Capacity	Everything going in equals everything coming out. Nothing is gained or lost in the process.
Mike	Have concentrations been increasing?	Capacity	Yes, since the upgrades we have seen an increase, but I think it's temporary and will stabilize. We know the number of people being served and we can predict the volume, but as water use declines, the concentration changes.
Mike	Are you planning to design the solids treatment based on 40 MGD (design capacity) and today's concentration?	Capacity	Yes, today's concentration is the basis for the design loadings, along with the design flow. The O&M costs will be based on the flow at 2040 (33 MGD).
Jesse	So, the 40 MGD is the requirement you are meeting. Why do you need it 20% higher than your actual demand?	Capacity	The 40 MGD flows the liquids requirement. We phase what equipment we install so that we can spread the capital cost over time to minimize the impact to rates.
Jesse	Are birth control/hormones, some of the pollutants you are finding in the solids?	Biosolids	Yes, personal care products are contaminants of emerging concern. Patti will cover this in her briefing on the biosolids.
Sarah	If these projects need to be completed, how do you receive funds from the County and how much do you need?	Costs	These are funded through the CIP. A "back of the envelope" figure for the immediate needs is \$13.5 - \$15 Million. These costs are projected out over 10 years so they won't substantially impact rates. This is separate money than what's needed in the Master Plan.
Mike	Is this new money?	Costs	Let me check. <span style="float: right;">Check whether the 2014 CIP included these funds</span>
Lindsay	Are you just using the same technology for immediate needs?	Immediate Needs	Yes, this effort is just to ensure the current equipment we have runs efficiently and effectively.
Sarah	In HOAs, we have contingency budgets for this type of thing. Hasn't money been set aside for this?	Costs	No, that's not typically how we do it. Replacement needs are projected out over 10 years, to minimize the impact to rates.

Sarah	So, Class B solids go to farmers?	Biosolids	Yes, a third party contractor obtains the permits and takes the biosolids from us to the farmers. Our biosolids are in high demand because they are lime stabilized and the lime is useful to the farmers. But restrictions on the seasonal application are coming and so storage will be needed, though we wouldn't store them, the contractor would.	
Mike	How are you planning to incorporate the potential changes to the cost? Will we pay less for Class A?	Costs	There may be a phased approach to go from Class B to Class A and we will have to determine what makes the most sense in terms of keeping the rate reasonable while making sure our capital program has the desired effect.	
Paul	So, incinerators are out. What other technologies have you eliminated?	Development Alternatives	At this point, we have eliminated technologies because the equipment would not fit on the site, the equipment/process has not been implemented at sufficient scale to reliably work at this plant, or the technology is still developmental and not operating at full scale.	
Paul	Are you looking at transport?	Development Alternatives	Yes, we're evaluating the pros and cons of transport.	
Mike	Is the Master Plan project in the 10-year CIP	Costs	Yes	
Mike	Is the utility fund separate from the CIP?	Costs	They are part of the same package but funded by rates.	
Mike	What's the CIP timing? How much will you ask for?	Costs	I believe it's May/June, but will double-check. The placeholder amount is \$150 Million.	Check timing of CIP approval
Jesse	Are there other things that could be done from a policy standpoint, to reduce the impact on the plant? Is there anything we can do from our Civic associations, to incrementally change policies, such as restrictions on garbage disposal use or composting?	Capacity	The plant can only work within the current regulatory framework of federal, state and local jurisdictions. Policy changes are beyond the focus of this work effort.	

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**ACTION ITEMS**

Samantha to send the criteria worksheet with definitions to this stakeholder group to provide their own scores which will be shared with the Solids Master Plan team. NOTE: This was done

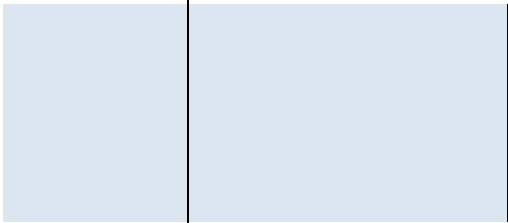
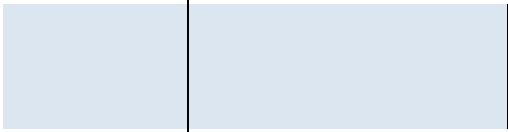
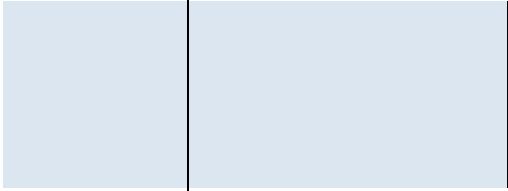
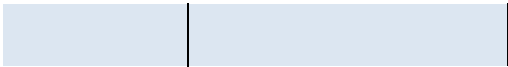
Mary to confirm development plans from Alexandria and Falls Church.

Mary to check whether 2014 CIP included funds for Immediate Needs projects. Note: This is included above.

Mary to double-check timing for CIP presentation this year. Note: This is included above.

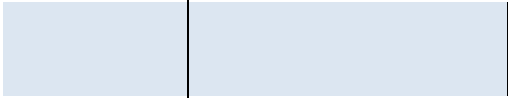
ts. A team workshop will take place next week to discuss development alternatives. Mary then reviewed the plant capacity and solids loading, and described the Immediate Needs projects t  
parison exercise to develop relative rankings of the evaluation criteria established for the study.

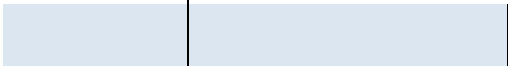
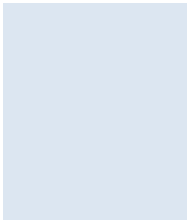
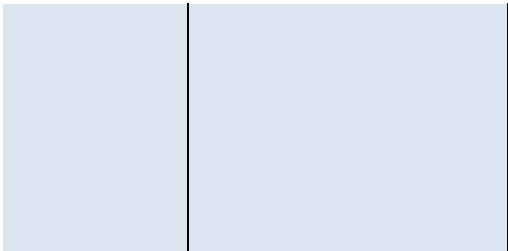
Responsible Party	Follow Up
Mary	



Mary

The immediate needs projects were in the prior CIP. There was a placeholder amount for the longer-term needs. The prior CIP is available on the County's website.





Mary      The final schedule has not yet been released as far as I can tell, but the previous CIP was submitted to the Board in mid-May





ne March 18, and sheets are due back to Sam by March 23.



o be tackled.