

CITY COUNCIL AGENDA REQUEST FORM

Today's date: 2 / 15 / 18

Date of meeting 2 / 21 / 18

(City Council meetings are held the 1st and 3rd Wednesday of each month.)

Name of Citizen, Organization, Elected Official, or Department Head making request:

Jennifer Stapleton, City Administrator

Address: 1123 Lake Street

Phone number and email address: 208-265-1483; jstapleton@sandpointidaho.gov

Authorized by: Jennifer Stapleton

name of City official

City official's signature

(Department Heads, City Council members, and the Mayor are City officials.)

Subject: Wastewater Treatment Plant Facility Update

Summary of what is being requested: Steve James of J-U-B Engineers, the consulting engineering

firm the City contracted with for the wastewater treatment plant facility plan update, will provide an

update on the project to City Council

The following information MUST be completed before submitting your request to the City Clerk:

1. Would there be any financial impact to the city? Yes No

If yes, in what way? T

2. Name(s) of any individual(s) or group(s) that will be directly affected by this action:

Have they been contacted? **Yes or No**

3. Is there a need for a general public information or public involvement plan? **Yes or No**

If yes, please specify and suggest a method to accomplish the plan: Yes No

4. Is an enforcement plan needed? **Yes or No** Additional funds needed? **Yes or No**

Yes No Yes No

5. Have all the affected departments been informed about this agenda item? **Yes or No**

Yes No

This form must be submitted no later than 6 working days prior to the scheduled meeting. All pertinent paperwork to be distributed to City Council must be attached.

ITEMS WILL NOT BE AGENDIZED WITHOUT THIS FORM

CITY OF SANDPOINT



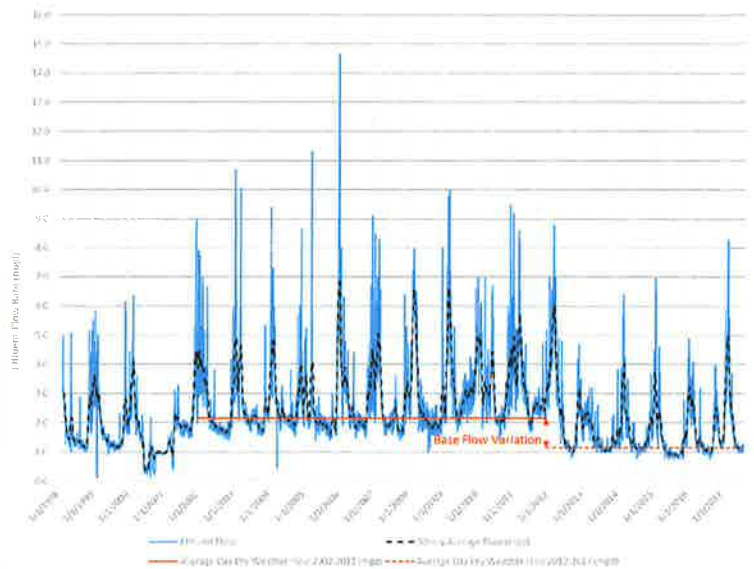
WASTEWATER TREATMENT PLANT FACILITY PLAN

City Council Update
City Hall Council Chambers
Feb. 21, 2018

Why Are We Doing This?

WHAT IS DRIVING THE PROJECT?:

- New Discharge Permit (2017 – 2022)
- Future Permits
- Aging Infrastructure
- High Peak Flows



How Has the Public Been Involved?



How Has the Public Been Involved?

☐ Community Advisory Committee

- Anita Aurit, Business Medics LLC, The Office Sandpoint
- Raphael Barta, Century 21 Riverstone
- Dallas Cox, Best Western/Edgewater Resort
- John Darling, City Council
- Steve Holt, Lake Pend Oreille Waterkeeper
- John Mueller, Citizen and Builder
- Matt Nykiel, Idaho Conservation League
- Eric Paull, Washington Trust Bank, Sandpoint URA
- Deb Ruehle, City Council
- Justin Schuck, Idagon Homes
- Rob Tyrrell, Litehouse Foods
- Shannon Williamson, City Council
- Sean Scoggin, City of Sandpoint, Grants and Project Administrator

☐ Technical Advisory Committee

- Shelby Rognstad, City of Sandpoint, Mayor
- Shannon Williamson, City Council
- Jennifer Stapleton, City of Sandpoint, City Administrator
- Jeff Cowley, City of Sandpoint, Wastewater
- Deven Hull, WWTP Supervisor
- Shawn Crane, WWTP Lead Operator
- John Mueller, CAC Representative
- Rob Tyrrell, CAC Representative
- Dallas Cox, CAC Representative
- Eric Paull, CAC Representative

Should We Stay At The Existing Site?



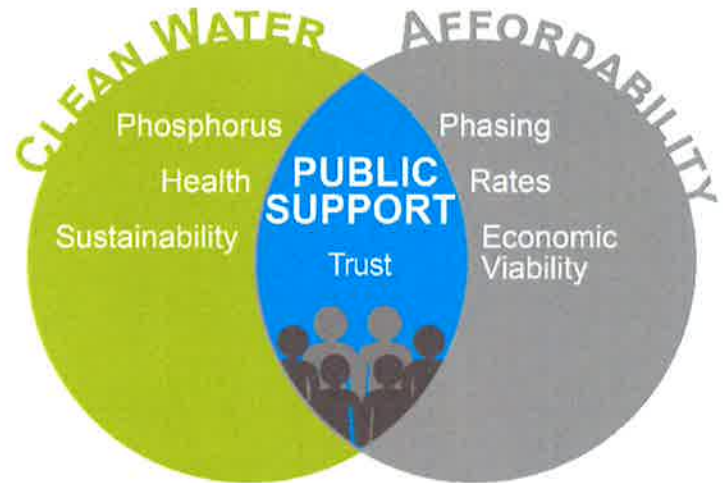
...Or Should We Go to Baldy Mountain Road?











GOAL: Balance Water Quality and Cost

- ❑ Existing permit
 - Phosphorus
 - Peak flows

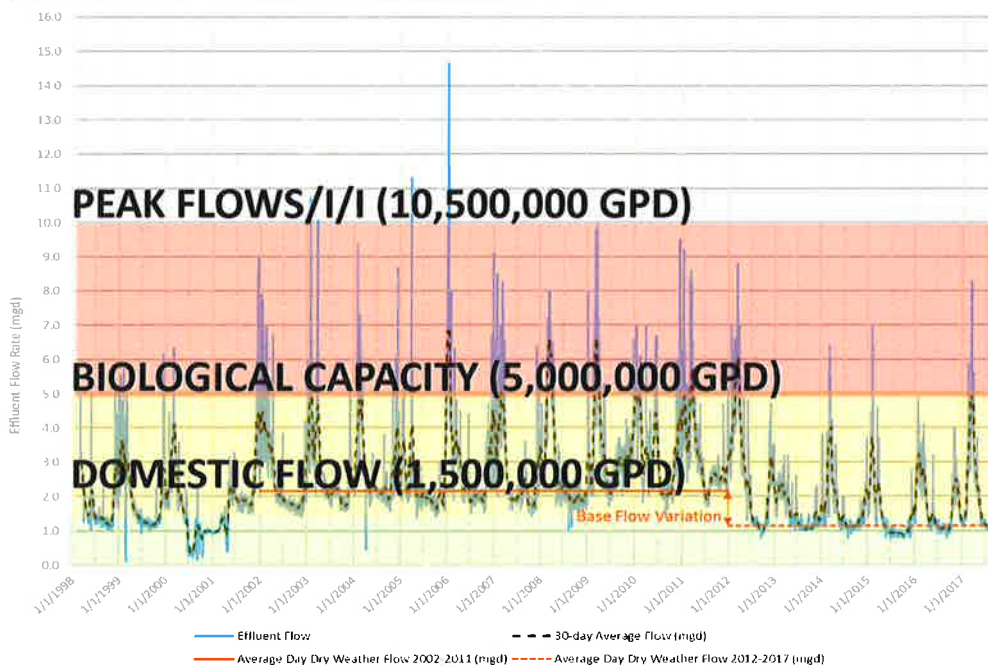
- ❑ + Provide capability to meet future permits
 - Ammonia
 - Phosphorus



Treatment Technologies

Technology	Size	Cost	Energy Use	Water Quality	Location
MBR		\$\$\$\$\$		Best	Both
BioMag		\$\$\$\$		Better	Both
Exist tech. (CAC Rec.)		\$\$\$		Good	Existing
EAAS		\$\$\$ (WWTP) + \$\$ (Pumping)		Better	New Site

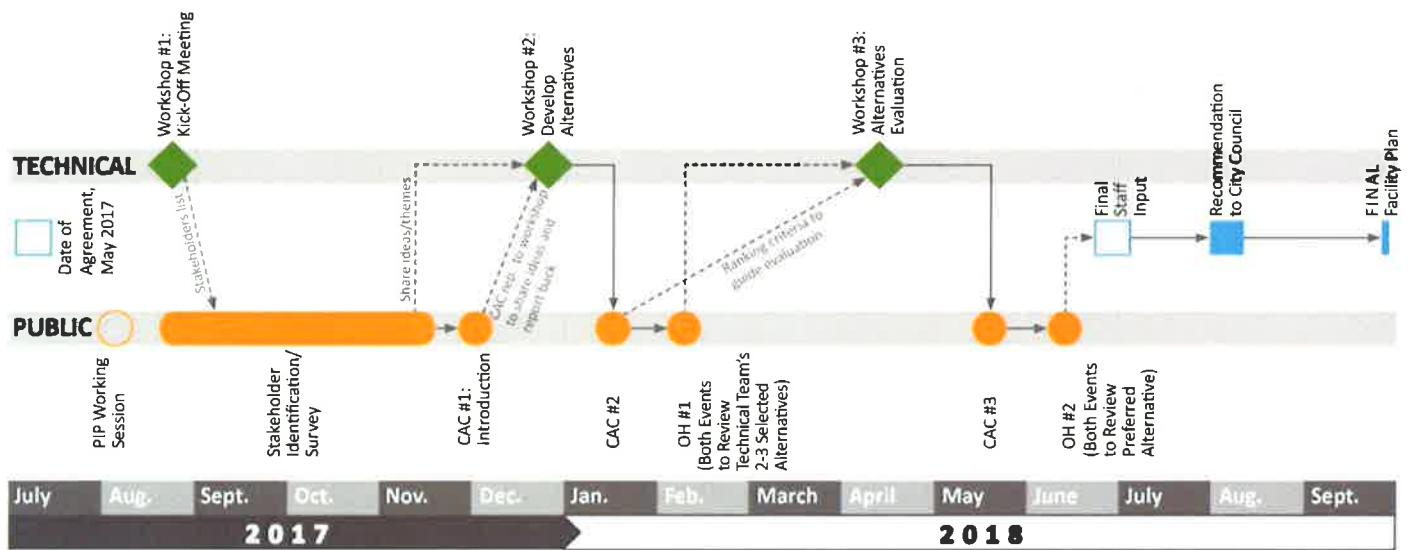
Why Are Peak Flows An Issue?



Cost	Water Quality
++\$	Poor
\$\$\$\$	Good

QUESTIONS?





Parameter	Short Term (<10 years) Permit Limit			Long Term (>10 years) Permit Limit		
	Monthly	Weekly	Daily	Monthly	Max Week	Max Day
BOD	30 mg/l	45 mg/l	NL	30 mg/l	45 mg/l	NL
BOD Rem.	85%	NL	NL	85%	NL	NL
TSS	30 mg/l	45 mg/l	NL	30 mg/l	45 mg/l	NL
TSS Rem	85%	NL	NL	85%	NL	NL
NH ₃ -N	NL	NL	NL	1 mg/l ^(a)	NL	3 mg/l ^(a)
Total P (June-Sept) ^(b)	96#/day	125#/day	NL	61#/day	79#/day	NL
Total P (Oct-May) ^(b)	96#/day	125#/day	NL	96#/day	125#/day	NL
Temp.	NL	NL	NL	NL	NL	NL
pH	Within the Range 6.5 – 9.0			Within the Range 6.5 – 9.0		
Cl ₂	0.348 mg/l	NL	0.912 mg/l	0.1 mg/l	NL	0.2 mg/l
E-coli	126 cfu/100 ml	NL	406 cfu/100 ml	126 cfu/100 ml	NL	406 cfu/100 ml
Total Mercury	0.56 ug/L	NL	1.1 ug/L	0.014#/day	NL	0.028#/day
Total PCB	0.014#/day	NL	0.028#/day	875-21,000 pg/l ^(c)	NL	NL