

Portland Utility Board
Treatment Pros and Cons Summary July 25, 2017 (updated)

	UV	Filtration	UV Plus (UV First; Filtration Later)
Pros	<ul style="list-style-type: none"> * Faster * Cheaper? * Plans already drawn 	<ul style="list-style-type: none"> * Broader water quality benefits * Best pathogen protection * Increased system resilience * Better option for turbidity * Reduced reliance on groundwater 	<ul style="list-style-type: none"> * Savings plan for filtration to spread out rate impact * More time to evaluate filtration options
Cons	<ul style="list-style-type: none"> * Only useful for crypto * Doesn't address turbidity * Possible mercury contamination issues * No additional supply (is supply an issue given decreasing demand with increasing population; conservation) * Earthquake or landslide concerns 	<ul style="list-style-type: none"> * Doesn't solve all water quality issues * Milwaukie and Las Vegas have filtration systems and still had crypto outbreaks * Disinfection byproducts from chemicals ?? * Oocysts have been detected in treated drinking water (not 100% filtered out) * Concern about possibility of changes to federal management of watershed (development?) * More expensive * Longer construction time * Greater financial uncertainty given long construction time 	<ul style="list-style-type: none"> * Earthquake or landslide concerns
Concerns	<ul style="list-style-type: none"> * Public engagement * Availability of analysis before decision point * Communication * Time allowed for decision making 	<ul style="list-style-type: none"> * Uncertainty of estimates * If filtration is the Council's decision, then UV shouldn't be part of the project; agree with CUB * Public engagement * Availability of analysis before decision point * Communication * Time allowed for decision making 	<ul style="list-style-type: none"> * Protecting the savings from being used for other projects * Public engagement * Availability of analysis before decision point * Communication * Time allowed for decision making