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BEFORE THE WASHINGTON STATE UTILITIES AND TRANSPORTATION COMMISISON

FOR THE STATE OF WASHINGTON

BNSF RAILWAY COMPANY,

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Petitioner,

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CITY OF MOUNT VERNON,

Respondent

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STATE DEPARTMENT OF SKAGIT COUNTY, WASHINGTON FARMS, LLC, TRANSPORTATION, WEST VALLEY

Intervenors

Docket No. TR-070696

BRAUTASET PREFILED TESTIMONY OF GLENN

Ö Please state your full name, job title and business address.

Glenn Eric Brautasei

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What does your job as with Mount Vernon Fire Department Entail?

am the Assistant Fire Chief/Fire Marshal; and second in Command for the Fire

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conducting Emergency Management responsibilities. Department. My general duties include managing the Fire Prevention Bureau and

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WUTC No. 07-0696

CITY OF MOUNT VERNON

Office of the City Attorney
PO Box 809, 910 Cleveland Ave
Mount Vernon, WA 98273
360 336-6203 (360) 336-6267 FAX

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		local communities within Skagit County? Why?	How would you rate the level of threat that flooding along the Skagit River has to		and many smaller things.	bridges, damage to businesses, critical infrastructure, the revetment, homes, farmland, vehicles	of a truck driver who drowned when his truck tipped into the river.	I've seen a multitude of damage caused by flooding over the years.		the Skagit River?	What damages have you witnessed or experienced that were a result of flooding of		sive. Specifically though, I can not recollect the costs of each flood fight	equipment, sand, sandbags, food, general equipment)the costs of mobilizing this effort is	a 24 to 48hour flood fight. When taking into consideration the logistics (trucks, heavy	Generally, each flood fight in Mount Vernon depends on close to 1,500 to 2,000 people to assist		local communities have devoted in previous flood fighting efforts	Please describe the amount of resources and expenditure of revenues you are aware		two flood fights in Mount Vernon; 2003 and 2006.	Department of Emergency Management in the early 90's. Si	Yes. My first experience with the flood fight occurred when I was an intern with Skagit County		Skagit County and if so please describe that role? What is your	Have you served a role in managing flood fighting efforts of the local communities of		Please see Resume Attached as Ex. No (GB-1)	degrees or any special training that you have.	Please explain your background, qualifications, academic training, academic	
			along the Skagit River has to			tment, homes, farmland, vehicles	ver. I've seen damage to levies,	ars. Most notably was the death			nat were a result of flooding of		each flood fight.	ts of mobilizing this effort is	he logistics (trucks, heavy	to 1,500 to 2,000 people to assist		fforts.	iture of revenues you are aware			Since then, I've been in command of	as an intern with Skagit County		your role currently?	forts of the local communities o				lemic training, academic	

0 and other resources needed in preparation of a flood fight? Can you describe, in detail, the types of personnel, equipment, supplies, materials,

Vernon flood fight operation are: This is an extensive list, however, an illustrative list of resources commonly needed for a Mount

- Approximately 2,000 people
- An Incident Management Team (IMT)
- A fully operational Emergency Operation Center EOC
- Dump trucks
- Sandbags

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- Forklifts
- Pallets
- Food and water for 2,000 people
- Automatic sandbagging machines
- Shovels
- Gloves
- Light plants
- Generators

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- Fuel
- Mechanics
- Flatbed trucks
- Front end loaders
- Security
- Visqueen
- Contracted belly-dump Semi-Trucks
- Tow trucks
- Busses

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Page 6 WUTC No. 07-0696 CITY OF MOUNT VERNON Office of the City Attorney PO Box 809, 910 Cleveland Ave Mount Vermon, WA 98273 360 336-6203 (360) 336-6207 FAX			Both are located on the east side of the RR tracks which is opposite of the flood fight operation.		\mathbf{Q} . What side of the railroad tracks are these located?		The City uses Butler Pit (in Burlington) and Meridian Quarry (located on Hickox Road).		dumping located?	Q. Where is the primary source of materials used for sandbagging and expedient		routes for incoming sand.	$\left\ \textit{Yes. Two areas in particular; Kincaid and Blackburn are used as primary pre-designated} ight.$	7	across the Railroad tracks running through Mount Vernon?	Q. Do these efforts require routing the personnel, materials, equipment, and supplies	***	small congested streets.	$ \cdot $ like long dump trucks with trailers, and the volumes of materials and personnel, is challenging in	operation. Bringing all the resources I have previously mentioned, such as the heavy equipment	lit creates a delay or a complete blockage may completely prevent an effective flood fight	Reeping transportation routes available during a flood fight is imperative. If routes are		Q. How important is it to maintain free routes to the River during these efforts?		repairs in rapidly in order to prevent levy failure.	risk of failure. The City and the Dike Districts must be prepared to conduct these emergency	will be initiated if it becomes necessary that a levee due to extended peak flows of the river	sandbags, expedient dumps, or "rip-rap" at certain river levels. Emergency repairs of levees	as needed when circumstances arise. This includes constant river monitoring and deployment of		
NON rney Ave			tion.													lies			ing i	men		blocked		Why?			Y.	is at	es	ent o		

why? Ö 0 a smooth, orderly and relatively accessible area to maneuver through. discretion in finding the best route into and out of town bringing trucks in from State Route 9, and maneuvering them flooding emergencies. trucks have a Kincaid is the most logical for incoming sand from Butler Pit. Likewise, have alternates routes to overcome operational challenges that commonly occur during from the pit to the downtown sand staging area which is known as Division Zulu. Can you please describe the Routes you have designated and or used previously and route Blackburn is the other primary route for sending trucks to Meridian. pre-designated route to help facilitate a smooth and orderly offloading of sand 2 Hickox. For example, in 2003 the I-5 freeway was at a stand-still. The truck drivers were given the option to exercise their own through The freeway provides a quick Blackburn However it is imperative The trucks have This required The

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Ö Does Hickox crossing play a role if so what is that role?

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It does. The crossing is an alternate route for dump trucks and potentially evacuees as well.

Ö it likely that routes designated may become congested? Why or why not?

have always is to have designated alternate routes available for both ingress and egress evacuating necessary resources to an emergency become difficult -and sometimes futile- when people Absolutely. seen firsthand the urgency, panic, congestion, and crisis that can occur. while responders are trying to get in to manage the incident. I've been involved with evacuations on similar disasters, such as wildfires, The best solution Trafficking and are

to the River across the Railroad tracks? opposed to ingress to the River for flood Why? fighting what traffic would need egress

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360 336-5203

During a flooding event, it is important to provide an ability to traffic those people who are not minutes to evacuate people to higher ground need to responders away from the floodplain to high ground when a evacuation is ordered. be done as quickly as possible. Generally when a levee failure occurs you only have This would

O How is Hickox road and the crossing play a role in this?

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Thus, asrole. construction. Hickox road and the crossing over the railroad tracks to and from the River plays an important an alternate ingress/egress route for dump trucks - particularly for the the need for the crossing is critical. It provides the next closest route South beyond Blackburn and Kincaid for evacuation, Congestion, panic, and urgency will be experienced when we began evacuation. expedient 9

Ö S it important to have alternative evacuation routes? Why or why not?

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during an emergency. multiple exits from a building. Absolutely. The scenario we encounter with alternate evacuation routes is analogous with More ingress and egress routes create more chances of success

evacuation route? Ö evacuation route? Is there anytime you can foresee Hickox crossing being considered a Why? If so what is the likelihood it will be used as a primary primary

in for that all possible routes will be used for evacuation occur on Blackburn as evacuations are occurring. an evacuation order, I believe Hickox would be the primary route in moving emergency Dike Road. There are several scenarios which could make Hickox the primary crossing. areas south of Hazel Street. All point of access will be critical The reason stems from the congestions and chuos that may Second, during a including Hickox via Britt Slough Road and "levy breach", First, under I envision supplies

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flooding would have been necessary. predictions were catastrophic for all the lowlands, including Mount Vernon-2 evacuation orders based on initial predictions of river levels. Fortunately, the storm cell shifted would most likely have occurred and using the Hickox crossing to traffic people away from the County and As for likelihood, I believe this is inevitable. few degrees south and spared Skagit County the brunt of the rain. l King County received most of the rainfall. In 2006 we were extremely close to issuing Had the storm stayed on track Consequently, an evacuation Snohomish

Ö Can you describe how the City plans for evacuation of certain population centers?

Thereeffected quadrant and overall road congestion. downtown and south). Basin, Riverside bridge upriver, and the reason for this stems from the necessity of raising the levy – through a flood fight operations the others, the most notable Town is considerably high. limited to, are essentially four evacuation quadrants in Mount Vernon. 2) Riverbend Road Basin, 3) West Mount Vernon, and 4) "Old Town" chances of failure of that levy. lack of volunteers, saturation of dikes, logjam release on the RR bridge and/or Evacuations have occurred in the West Mount Vernon quadrant. lack of logistical supplies (sand, bags etc), simultaneous evacuation, These failures can occur from several reasons, including but not -or likely-The net consequence is severe damage and flood inundation to the scenario has been the "Old Town" More so than any other quadrant, the failure They are; evacuation. 1) Riverside Basin (essentially in the The Drive As for010

Town O quadrant again? What is the likelihood that the City will have to consider evacuation of the Old

level to protect the City from a flood of magnitude which I believe there is a high chance of Inevitable. Usually consider the chance of evacuation every fall. however the existing condition of flood protection in the area is not at a sufficient Our primary mission is to fight

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360 336-6203
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Page 10 WUTC No. 07-0696 CF				dictate all people use Hickox Road as the primary route.	the main supply route for Responders to the Old Town area. Vice versus, the circumstance may	Hickox could play one of two roles. If an evacuation order is given, Hickox would likely become		Q. How would the Hickox Crossing play a role in that evacuation?		have businesses north of Kincaid Street evacuate to the north using Freeway Drive.	Kincaid crossing may be closed because of the proximity of the breach. In this scenario, we may	situation specific. For example, if the dike fails at Kincaid, the scenario may be different. The	Street to exit. Persons south of Section should use Blackburn or Hickox. However this must be	Downtown business should use Kincaid to exit. Persons south of Kincaid should use Section		Why?	Q. In what direction have you planned an evacuation of Downtown to likely take place?		issuance of an Evacuation Order by the Mayor.	witnessed all of these poor conditions under "normal flood fight operations" without the	also has its own set of problems for the same reasons. Traffic increases exponentially. I have	flood fight operations. I-5 comes to a standstill and logistical supplies are delayed. Blackburn	congestions caused by "normal" daily traffic, and then the addition of "flood tourists", and	Yes. Under best of conditions, Kincaid still creates challenges for us. The reason stems from		fights? Why or why not?	Q. Have you experienced problems using Blackburn or Kincaid during previous flood		it is a matter of "when" the evacuations will occur, not "if".	occurrence such as the storm cell in 2006 that nearly missed the area. Based on my experiences,	
CITY OF MOUNT VERNON Office of the City Attorney					is, the circumstance may	ckox would likely become		on?		eway Drive.	In this scenario, we may	o may be different. The	x. However this must be	id should use Section			own to likely take place?			ions" without the	s exponentially. I have	are delayed. Blackburn	"flood tourists", and	The reason stems from			during previous flood			Based on my experiences,	