



**NW Seaport Alliance
Monthly KPI Report
January 2018**

Terminal Operations					
Crane Production	Target	Month	Var	YTD	Var
Combined	30	27.3	-9%	27.3	-9%
Harbor North	30	27.74	-8%	27.74	-8%
Harbor South	30	26.68	-11%	26.68	-11%
Gate Turn Time (weighted avg.)	Target	Month	Var	YTD	Var
Combined	25	29.04	-16%	29.04	-16%
Harbor North	25	28.75	-15%	28.75	-15%
Harbor South*	25	29.38	-18%	29.38	-18%
Domestic Terminals					
Harbor South	25	20	20%	20.04	20%
* Excludes Domestic Volumes					

Intermodal Operations Harbor South			Intermodal Operations North & South		
	Month	YTD	Inland Transit Days		
Dwell (avg. days)			Interchange	Chicago	St Paul
BNSF	1.99	1.99	6.8	6.6	6.1
UP	.88	.88			
UP-NWCS	1.9	1.9			
Total	1.4	1.4			
Departure					
<24 Hours	45.5%	45.5%			
<48 Hours	80.7%	80.7%			
<72 Hours	89.4%	89.4%			

Waterway Operations					
	Target	Month	Var	YTD	Var
North Harbor		27		27	
On Proforma Arrival		53%		53%	
On-time Departure		30%		30%	
South Harbor		26		26	
On Proforma Arrival		43%		43%	
On-time Departure		25%		25%	
Total Vessel Calls		53		53	

Notes:
Crane Production: Remained steady at 27MPH
Gate Turntimes: North Harbor improved as Pre-arrival at T18 is better supported.



KPI Descriptions and Assumptions:

Crane Production:	
<i>Description</i>	<i>Port-wide average number of adjusted gross container moves per hour.</i>
<i>Assumptions</i>	<i>Includes all NWSA cranes. Data only adjusted for work stoppages, vessel shut-downs, etc.; data not adjusted for labor breaks, lunch, etc. Based on PMA month.</i>
<i>Source Data</i>	<i>Pacific Maritime Association (PMA)</i>
Gate Turn Time:	
<i>Description</i>	<i>Port-wide average turn-time for trucks from pedestal to pedestal. Includes all Port terminals (international and domestic).</i>
<i>Assumptions</i>	<i>Truck turns include single and double transactions. Based on PMA month.</i>
<i>Source Data</i>	<i>Individual terminal reports</i>
Intermodal Dwell Time:	
<i>Description</i>	<i>NIM Yard only. Time from first container off of vessel to train departure.</i>
<i>Assumptions</i>	<i>Discharge times are based on estimations from terminal operators</i>
<i>Source Data</i>	<i>Port of Tacoma NIM Yard report</i>
On-time Proforma Arrival:	
<i>Description</i>	<i>The percentage of total container vessel calls that arrive on-time according to proforma berth plan</i>
<i>Assumptions</i>	<i>Arrival within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>
On-time Departure:	
<i>Assumptions</i>	<i>The percentage of total container vessel that departed by the proforma departure dwell</i>
<i>Assumptions</i>	<i>Departure within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>



**NW Seaport Alliance
Monthly KPI Report
February 2018**

Terminal Operations					
Crane Production	Target	Month	Var	YTD	Var
Combined	30	28.46	-5%	27.88	-7%
Harbor North	30	28.97	-3%	28.35	-5%
Harbor South	30	27.95	-7%	27.41	-9%
Gate Turn Time (weighted avg.)					
	Target	Month	Var	YTD	Var
Combined	25	31.34	-25%	30.19	-25%
Harbor North	25	31.66	-27%	30.21	-21%
Harbor South*	25	30.96	-24%	30.17	-21%
Domestic Terminals					
Harbor South	25	20.2	19%	21.10	16%
* Excludes Domestic Volumes					

Intermodal Operations Harbor South			Intermodal Operations North & South		
	Month	YTD	Inland Transit Days		
Dwell (avg. days)			Interchange	Chicago	St Paul
BNSF	1.6	1.8	8.4	7.5	6.5
UP	.87	.88			
UP-NWCS	1.8	1.9			
Total	1.2	1.3			
Departure					
<24 Hours	56.2%	50.5%			
<48 Hours	84.3%	82.7%			
<72 Hours	97.2%	92.8%			

Waterway Operations					
		Month		YTD	
North Harbor		27		54	
On Proforma Arrival		25%		40%	
On-time Departure		11%		21%	
South Harbor		31		52	
On Proforma Arrival		15%		29%	
On-time Departure		15%		20%	
Total Vessel Calls		53		106	

Notes:
Crane Production: Picked up close to 1MPH
Gate Turntimes: Turntime remained consistent in both harbors.



KPI Descriptions and Assumptions:

Crane Production:	
<i>Description</i>	<i>Port-wide average number of adjusted gross container moves per hour.</i>
<i>Assumptions</i>	<i>Includes all NWSA cranes. Data only adjusted for work stoppages, vessel shut-downs, etc.; data not adjusted for labor breaks, lunch, etc. Based on PMA month.</i>
<i>Source Data</i>	<i>Pacific Maritime Association (PMA)</i>
Gate Turn Time:	
<i>Description</i>	<i>Port-wide average turn-time for trucks from pedestal to pedestal. Includes all Port terminals (international and domestic).</i>
<i>Assumptions</i>	<i>Truck turns include single and double transactions. Based on PMA month.</i>
<i>Source Data</i>	<i>Individual terminal reports</i>
Intermodal Dwell Time:	
<i>Description</i>	<i>NIM Yard only. Time from first container off of vessel to train departure.</i>
<i>Assumptions</i>	<i>Discharge times are based on estimations from terminal operators</i>
<i>Source Data</i>	<i>Port of Tacoma NIM Yard report</i>
On-time Proforma Arrival:	
<i>Description</i>	<i>The percentage of total container vessel calls that arrive on-time according to proforma berth plan</i>
<i>Assumptions</i>	<i>Arrival within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>
On-time Departure:	
<i>Assumptions</i>	<i>The percentage of total container vessel that departed by the proforma departure dwell</i>
<i>Assumptions</i>	<i>Departure within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>



**NW Seaport Alliance
Monthly KPI Report
March 2018**

Terminal Operations					
Crane Production	Target	Month	Var	YTD	Var
Combined	30	28.85	-4%	28.2	-6%
Harbor North	30	28.15	-6%	28.29	-6%
Harbor South	30	29.54	-2%	28.12	-6%
Gate Turn Time (weighted avg.)					
	Target	Month	Var	YTD	Var
Combined	25	28.92	-16%	29.77	-19%
Harbor North	25	28.79	-15%	29.73	-19%
Harbor South*	25	29.1	-16%	29.81	-19%
Domestic Terminals	25				
Harbor South	25	21.4	14%	21.1	16%

* Excludes Domestic Volumes

Intermodal Operations Harbor South			Intermodal Operations North & South		
	Month	YTD	Inland Transit Days		
Dwell (avg. days)			Interchange	LPC	St Paul
BNSF	1.7	1.8	6.8	6.1	6.3
UP	.52	.84			
UP-NWCS	1.7	1.8			
Total	1.2	1.3			
Departure					
<24 Hours	55.2%	51.4%			
<48 Hours	91.1%	84.4%			
<72 Hours	94.7%	93.6%			

Waterway Operations					
	Target	Month	Var	YTD	Var
North Harbor		33		87	
On Proforma Arrival		38%		39%	
On-time Departure		16%		19%	
South Harbor		29		81	
On Proforma Arrival		19%		26%	
On-time Departure		23%		21%	
Total Vessel Calls		62		168	

Notes:
Crane: NWSA average remained steady but South Harbor improved 1.5MPH while North Harbor dropped about the same amount.
Gate Turntimes: NWSA average remained steady.



KPI Descriptions and Assumptions:

Crane Production:	
<i>Description</i>	<i>Port-wide average number of adjusted gross container moves per hour.</i>
<i>Assumptions</i>	<i>Includes all NWSA cranes. Data only adjusted for work stoppages, vessel shut-downs, etc.; data not adjusted for labor breaks, lunch, etc. Based on PMA month.</i>
<i>Source Data</i>	<i>Pacific Maritime Association (PMA)</i>
Gate Turn Time:	
<i>Description</i>	<i>Port-wide average turn-time for trucks from pedestal to pedestal. Includes all Port terminals (international and domestic).</i>
<i>Assumptions</i>	<i>Truck turns include single and double transactions. Based on PMA month.</i>
<i>Source Data</i>	<i>Individual terminal reports</i>
Intermodal Dwell Time:	
<i>Description</i>	<i>NIM Yard only. Time from first container off of vessel to train departure.</i>
<i>Assumptions</i>	<i>Discharge times are based on estimations from terminal operators</i>
<i>Source Data</i>	<i>Port of Tacoma NIM Yard report</i>
On-time Proforma Arrival:	
<i>Description</i>	<i>The percentage of total container vessel calls that arrive on-time according to proforma berth plan</i>
<i>Assumptions</i>	<i>Arrival within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>
On-time Departure:	
<i>Assumptions</i>	<i>The percentage of total container vessel that departed by the proforma departure dwell</i>
<i>Assumptions</i>	<i>Departure within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>



**NW Seaport Alliance
Monthly KPI Report
April 2018**

Terminal Operations					
Crane Production	Target	Month	Var	YTD	Var
Combined	30	29.58	1%	28.55	5%
Harbor North	30	29.8	1%	28.66	4%
Harbor South	30	29.36	2%	28.55	5%
Gate Turn Time (weighted avg.)					
	Target	Month	Var	YTD	Var
Combined	25	30.79	23%	30.05	20%
Harbor North	25	29.93	20%	29.6	18%
Harbor South*	25	31.91	28%	30.35	21%
Domestic Terminals	25				
Harbor South	25	20.5	22%	20.5	22%
* Excludes Domestic Volumes					

Intermodal Operations Harbor South			Intermodal Operations North & South		
	Month	YTD	Inland Transit Days		
Dwell (avg. days)			Interchange	LPC	St Paul
BNSF	1.8	1.8	6.5	5.0	4.8
UP	.73	.82			
UP-NWCS	1.8	1.8			
Total	1.2	1.3			
Departure					
<24 Hours	48.03%	50.52%			
<48 Hours	88.73%	85.66%			
<72 Hours	95.12%	93.87%			

Waterway Operations					
	Target	Month	Var	YTD	Var
North Harbor		17		108	
On Proforma Arrival		62%		45%	
On-time Departure		42%		26%	
South Harbor		14		97	
On Proforma Arrival		46%		29%	
On-time Departure		64%		26%	
Total Vessel Calls		31		205	

Notes:

Crane: Crane Production continues to improve throughout the gate way.
 Gat: Turntimes remained steady throughout the gateway.



KPI Descriptions and Assumptions:

Crane Production:	
<i>Description</i>	<i>Port-wide average number of adjusted gross container moves per hour.</i>
<i>Assumptions</i>	<i>Includes all NWSA cranes. Data only adjusted for work stoppages, vessel shut-downs, etc.; data not adjusted for labor breaks, lunch, etc. Based on PMA month.</i>
<i>Source Data</i>	<i>Pacific Maritime Association (PMA)</i>
Gate Turn Time:	
<i>Description</i>	<i>Port-wide average turn-time for trucks from pedestal to pedestal. Includes all Port terminals (international and domestic).</i>
<i>Assumptions</i>	<i>Truck turns include single and double transactions. Based on PMA month.</i>
<i>Source Data</i>	<i>Individual terminal reports</i>
Intermodal Dwell Time:	
<i>Description</i>	<i>NIM Yard only. Time from first container off of vessel to train departure.</i>
<i>Assumptions</i>	<i>Discharge times are based on estimations from terminal operators</i>
<i>Source Data</i>	<i>Port of Tacoma NIM Yard report</i>
On-time Proforma Arrival:	
<i>Description</i>	<i>The percentage of total container vessel calls that arrive on-time according to proforma berth plan</i>
<i>Assumptions</i>	<i>Arrival within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>
On-time Departure:	
<i>Assumptions</i>	<i>The percentage of total container vessel that departed by the proforma departure dwell</i>
<i>Assumptions</i>	<i>Departure within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>The NWSA Vessel Capacity and On Time Proforma</i>



**NW Seaport Alliance
Monthly KPI Report
June 2018**

Terminal Operations					
Crane Production	Target	Month	Var	YTD	Var
Combined	30	27.69	-8%	28.72	-4%
Harbor North	30	28.3	-6%	28.38	-5%
Harbor South	30	27.19	-9%	28.17	-6%
Gate Turn Time (weighted avg.)	Target	Month	Var	YTD	Var
Combined	25	36.34	-45%	31.36	-25%
Harbor North	25	39.64	-59%	31.52	-26%
Harbor South*	25	31.92	-28%	30.96	24%
Domestic Terminals					
Harbor South	25	22	12%	22.4	10%
* Excludes Domestic Volumes					

Intermodal Operations Harbor South			Intermodal Operations North & South		
	Month	YTD	Inland Transit Days		
Dwell (avg. days)			Interchange	LPC	St Paul
BNSF	1.81	1.97	7.3	6.0	5.9
UP	.73	.92			
UP-NWCS	1.89	1.90			
Total	1.10	1.39			
Departure					
<24 Hours	49.1%	51.9%			
<48 Hours	67.9%	82.9%			
<72 Hours	86.2%	93.1%			

Waterway Operations					
	Target	Month	Var	YTD	Var
North Harbor		46		200	
On Proforma Arrival		64%		47%	
On-time Departure		56%		33%	
South Harbor		36		174	
On Proforma Arrival		46%		34%	
On-time Departure		71%		44%	
Total Vessel Calls		82		374	

Notes:
Crane Production: Remained consistent and 1 to 2 mph below our goal.
Turntimes: Increased this month due vessels being off schedule and a higher RTG volumes.
Rail Dwell:



KPI Descriptions and Assumptions:

Crane Production:	
<i>Description</i>	<i>Port-wide average number of adjusted gross container moves per hour.</i>
<i>Assumptions</i>	<i>Includes all NWSA cranes. Data only adjusted for work stoppages, vessel shut-downs, etc.; data not adjusted for labor breaks, lunch, etc. Based on PMA month.</i>
<i>Source Data</i>	<i>Pacific Maritime Association (PMA)</i>
Gate Turn Time:	
<i>Description</i>	<i>Port-wide average turn-time for trucks from pedestal to pedestal. Includes all Port terminals (international and domestic).</i>
<i>Assumptions</i>	<i>Truck turns include single and double transactions. Based on PMA month.</i>
<i>Source Data</i>	<i>Individual terminal reports</i>
Intermodal Dwell Time:	
<i>Description</i>	<i>NIM Yard only. Time from first container off of vessel to train departure.</i>
<i>Assumptions</i>	<i>Discharge times are based on estimations from terminal operators</i>
<i>Source Data</i>	<i>Port of Tacoma NIM Yard report</i>
On-time Proforma Arrival:	
<i>Description</i>	<i>The percentage of total container vessel calls that arrive on-time according to proforma berth plan</i>
<i>Assumptions</i>	<i>Arrival within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>NWSA Enterprise Reporting</i>
On-time Departure:	
<i>Assumptions</i>	<i>The percentage of total container vessel that departed by the proforma departure dwell</i>
<i>Assumptions</i>	<i>Departure within 24 hours of proforma constitutes on-time performance.</i>
<i>Source Data</i>	<i>NWSA Enterprise Reporting</i>