

WMATA Accessibility Advisory Committee

Monthly Synopsis of WMATA Elevator and Escalator Performance

Reporting Date: 11/2/2017

Subject: Office of Elevator and Escalator
Monthly Statistics for Period Spanning
October 1, 2017 - October 31, 2017

From: Daniel White
Office of Elevator and Escalator

Via: Mitch Nici, General Superintendent
Office of Elevator and Escalator
and
Dan White, Asst. General Superintendent
Office of Elevator and Escalator

To: Accessibility Advisory Committee (AAC)

Performance Synopsis for Period Spanning

October 1, 2017 - October 31, 2017

	<u>Elevator</u>	<u>Escalator</u>
System Availability (Overall)	96.5%	94.3%
Scheduled Availability (Excludes CIP & Sch. Outages)	98.0%	97.2%
MTBF (Mean Time Between Failures) Hrs.	407.8	198.1
MTTR (Mean Time to Repair) Hrs.	8.1	5.5
Total Number of Failures	400	2,458

System Availability - Availability inclusive of both scheduled and unscheduled work

Scheduled Availability - Availability exclusive of scheduled work

Scheduled work - Includes CIP's, Inspections, and similar work that is planned in advance

MTBF - Is the elapsed time between failures during a systems operating time

MTTR - Is the average time required to repair a failure

Historical Data

<u>FY 2018 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	97.3%	97.2%	97.4%	96.5%			97.1%
Sch. Avail	98.9%	99.1%	99.3%	98.0%			98.8%
Escalators							
Sys. Avail	94.8%	94.3%	94.6%	94.3%			94.5%
Sch. Avail	96.8%	97.5%	97.1%	97.2%			97.1%
<u>FY 2017 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	94.1%	96.6%	96.8%	96.6%	97.6%	96.9%	96.4%
Sch. Avail	96.8%	98.4%	98.6%	98.3%	99.1%	98.6%	98.3%
Escalators							
Sys. Avail	96.4%	94.4%	95.5%	95.5%	95.1%	95.1%	95.3%
Sch. Avail	98.6%	97.0%	97.7%	97.6%	97.4%	97.2%	97.6%
<u>FY 2017 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	96.2%	96.7%	96.5%	96.6%	96.6%	97.5%	96.7%
Sch. Avail	97.6%	98.2%	98.4%	98.3%	98.3%	99.4%	98.4%
Escalators							
Sys. Avail	92.8%	92.1%	92.5%	93.6%	93.7%	95.2%	93.3%
Sch. Avail	96.3%	95.8%	96.3%	96.8%	96.8%	98.1%	96.7%
<u>FY 2016 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	97.2%	97.1%	97.1%	97.0%	96.8%	97.0%	97.0%
Sch. Avail	98.9%	98.6%	98.4%	98.9%	98.2%	98.1%	98.5%
Escalators							
Sys. Avail	93.3%	93.4%	94.2%	93.6%	93.5%	92.6%	93.4%
Sch. Avail	96.9%	97.0%	96.8%	97.5%	97.1%	96.7%	97.0%
<u>FY 2016 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	96.1%	97.2%	97.0%	96.7%	96.2%	97.0%	96.7%
Sch. Avail	97.9%	98.7%	98.6%	98.2%	98.3%	98.9%	98.4%
Escalators							
Sys. Avail	93.2%	93.0%	93.1%	93.3%	93.0%	93.3%	93.2%
Sch. Avail	97.1%	97.2%	97.3%	97.3%	97.1%	97.1%	97.2%
<u>FY 2015 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	96.5%	97.2%	98.0%	97.4%	96.8%	96.4%	97.0%
Sch. Avail	98.0%	98.6%	98.9%	99.0%	98.7%	98.4%	98.6%
Escalators							
Sys. Avail	93.0%	93.9%	94.0%	94.0%	93.4%	93.8%	93.7%
Sch. Avail	96.7%	97.4%	97.7%	97.8%	97.5%	97.4%	97.4%

<u>FY 2015 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	96.6%	97.2%	97.0%	96.1%	96.2%	96.3%	96.6%
Sch. Avail	97.3%	98.0%	98.5%	98.0%	97.7%	98.0%	97.9%
Escalators							
Sys. Avail	92.9%	92.3%	92.6%	93.4%	94.0%	93.3%	93.1%
Sch. Avail	96.4%	96.3%	96.3%	97.2%	97.3%	96.8%	96.7%

<u>FY 2014 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	97.0%	96.9%	97.0%	97.2%	97.5%	97.9%	97.3%
Sch. Avail	98.3%	98.0%	97.9%	97.8%	98.3%	98.7%	98.2%
Escalators							
Sys. Avail	92.0%	93.7%	93.6%	92.7%	92.7%	92.8%	92.9%
Sch. Avail	95.3%	96.8%	97.2%	96.6%	96.7%	96.9%	96.6%

<u>FY 2014 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	96.1%	96.4%	97.0%	96.4%	97.0%	97.3%	96.7%
Sch. Avail	99.1%	98.7%	98.9%	98.7%	98.5%	98.1%	98.7%
Escalators							
Sys. Avail	92.1%	92.9%	93.0%	92.9%	93.4%	92.3%	92.8%
Sch. Avail	95.2%	95.5%	95.3%	95.5%	95.8%	95.3%	95.4%

<u>FY 2013 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	97.6%	96.5%	96.4%	95.9%	95.3%	94.6%	96.1%
Sch. Avail	99.4%	98.3%	98.7%	99.1%	99.1%	98.5%	98.8%
Escalators							
Sys. Avail	90.3%	90.1%	90.9%	92.2%	91.5%	92.8%	91.3%
Sch. Avail	93.9%	93.3%	95.1%	96.2%	95.2%	95.8%	94.9%

<u>FY 2013 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	97.5%	97.2%	97.3%	97.5%	97.6%	97.1%	97.4%
Sch. Avail	98.5%	98.9%	99.1%	99.3%	99.0%	98.4%	98.9%
Escalators							
Sys. Avail	90.2%	89.3%	87.6%	87.8%	90.2%	90.8%	89.3%
Sch. Avail	93.6%	93.0%	91.5%	90.9%	93.1%	93.8%	92.6%

<u>FY 2012 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	96.0%	96.6%	96.3%	96.9%	98.0%	0.0%	96.3%
Sch. Avail	97.3%	98.3%	98.0%	98.7%	98.7%	0.0%	97.9%
Escalators							
Sys. Avail	89.0%	89.4%	89.7%	90.3%	91.2%	0.0%	89.4%
Sch. Avail	93.6%	94.3%	94.2%	94.3%	95.1%	0.0%	94.0%

<u>FY 2012 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	96.2%	94.7%	95.2%	95.7%	96.8%	96.0%	95.8%
Sch. Avail	96.6%	95.0%	95.3%	96.2%	97.2%	97.0%	96.2%
Escalators							
Sys. Avail	80.6%	82.4%	86.8%	88.4%	89.5%	88.4%	86.0%
Sch. Avail	85.1%	86.4%	90.6%	92.0%	93.1%	92.3%	89.9%

<u>FY 2011 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	96.2%	96.0%	97.2%	96.2%	97.8%	98.0%	96.9%
Sch. Avail	96.3%	96.1%	97.3%	96.3%	97.8%	98.1%	97.0%
Escalators							
Sys. Avail	87.5%	87.0%	86.6%	84.6%	81.5%	83.1%	85.1%
Sch. Avail	90.7%	88.3%	89.5%	86.9%	84.6%	87.3%	87.9%

<u>FY 2011 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	95.5%	94.6%	95.9%	96.4%	96.9%	96.6%	96.0%
Sch. Avail	95.5%	95.0%	96.8%	97.2%	97.0%	96.6%	96.3%
Escalators							
Sys. Avail	88.6%	89.4%	89.4%	87.4%	88.5%	89.4%	88.8%
Sch. Avail	91.2%	91.6%	91.3%	89.3%	90.5%	92.4%	91.0%

<u>FY 2010 Q3/Q4</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>Avg. of Q3/Q4</u>
Elevators							
Sys. Avail	97.3%	97.8%	97.3%	97.8%	97.1%	96.7%	97.4%
Sch. Avail	97.3%	97.8%	97.4%	97.9%	97.3%	96.7%	97.4%
Escalators							
Sys. Avail	90.0%	89.7%	89.4%	90.1%	89.8%	90.2%	89.9%
Sch. Avail	92.2%	92.0%	91.8%	92.2%	92.5%	92.5%	92.2%

<u>FY 2010 Q1/Q2</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>Avg. of Q1/Q2</u>
Elevators							
Sys. Avail	96.6%	94.7%	93.1%	96.9%	95.8%	97.1%	95.7%
Sch. Avail	96.7%	94.7%	93.1%	97.1%	95.9%	97.1%	95.8%
Escalators							
Sys. Avail	88.9%	89.9%	90.1%	90.4%	91.3%	91.8%	90.4%
Sch. Avail	91.0%	92.1%	92.8%	93.4%	93.9%	94.1%	92.9%