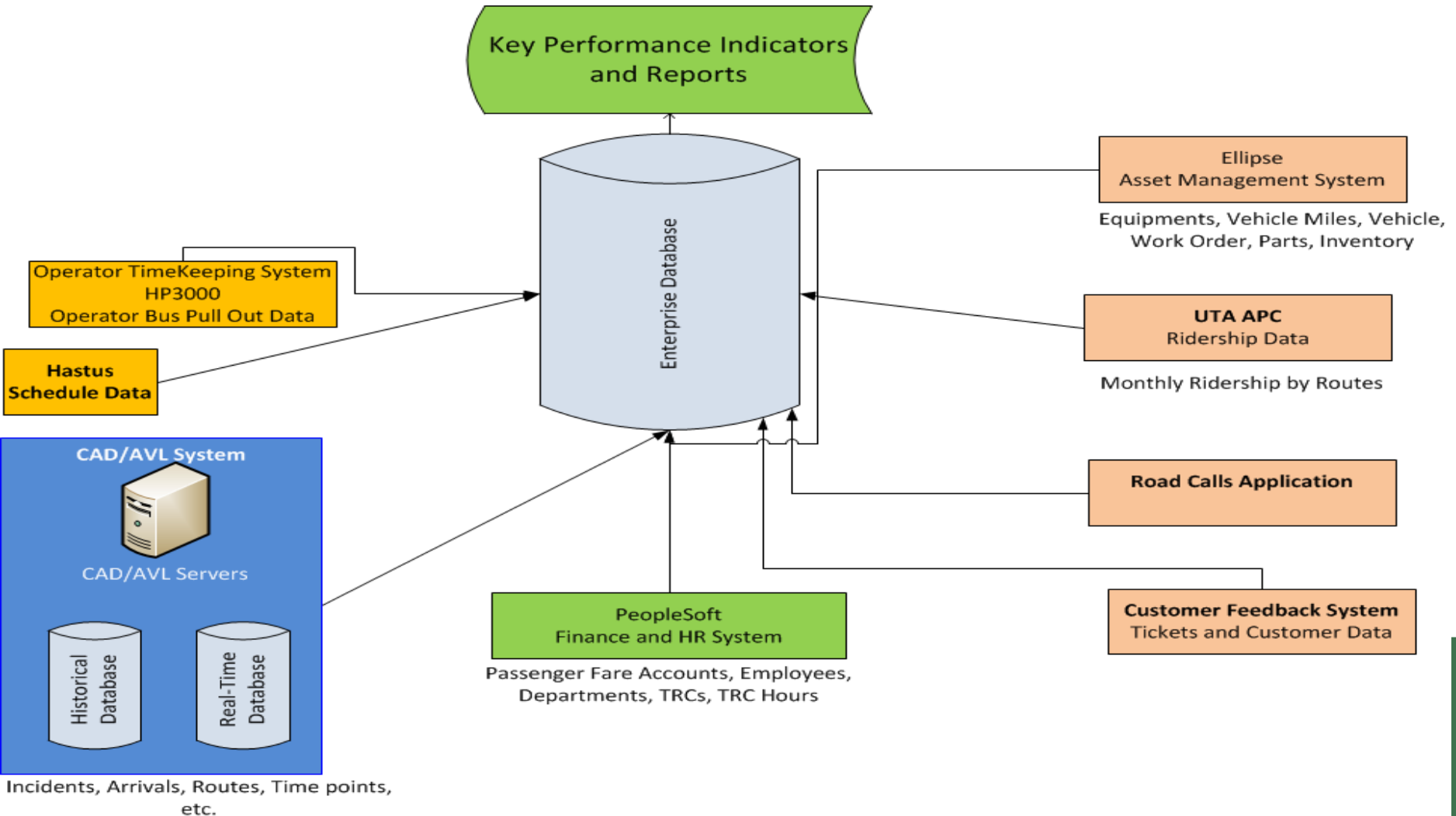


# MAINTENANCE REPORTS

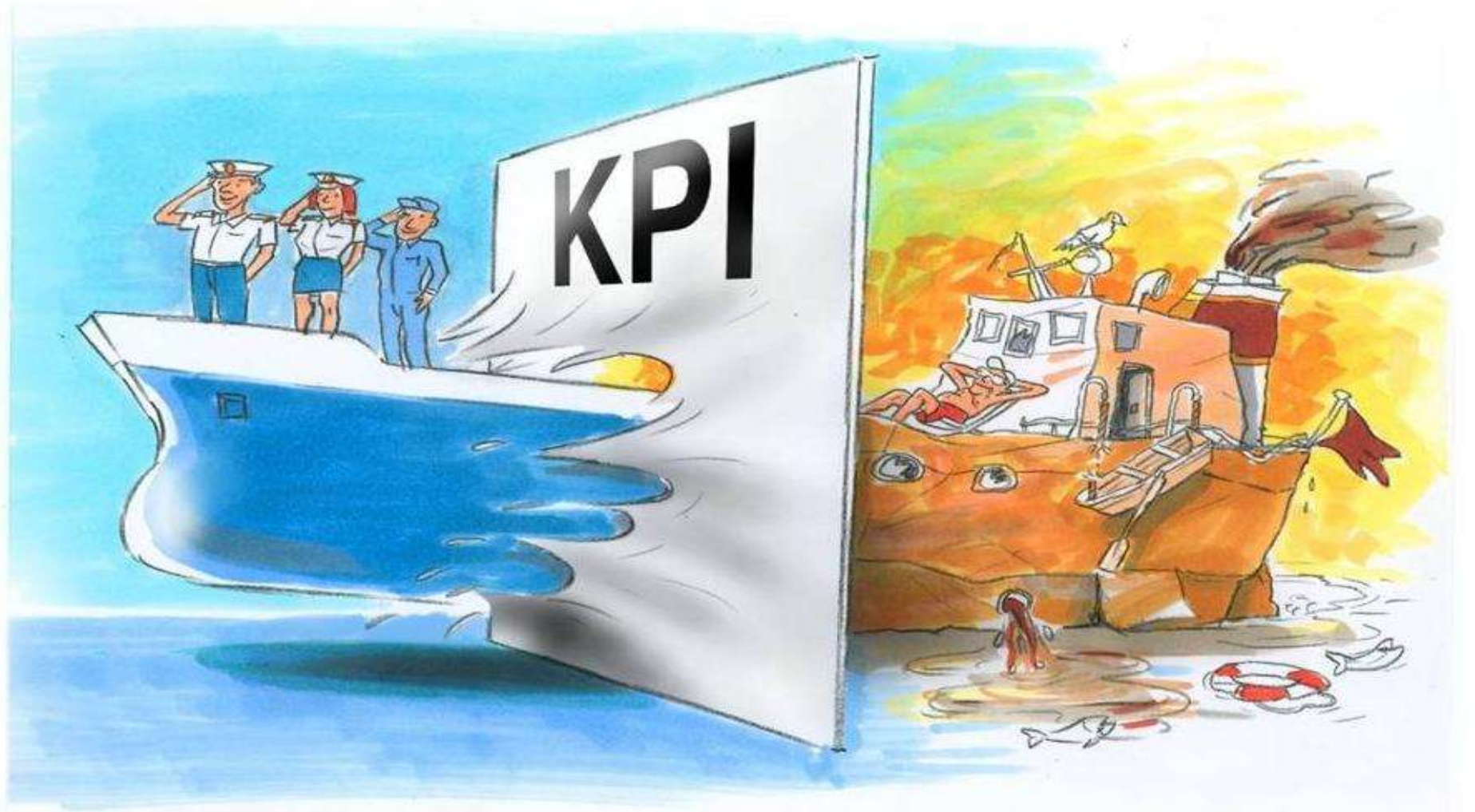
CTA - FALL 2016



# AC TRANSIT ENTERPRISE DATABASE



# DECISION MAKERS ARE...

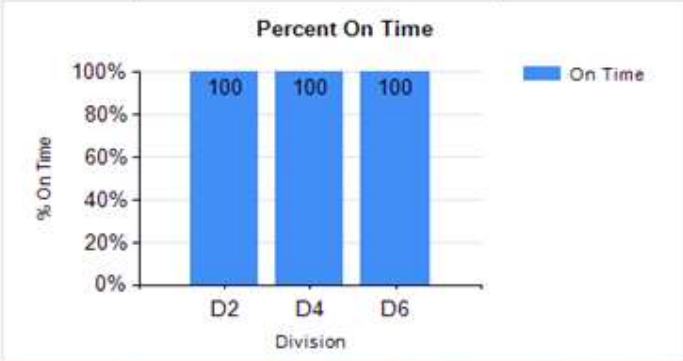


1/5/2017

# PREVENTATIVE MAINTENANCE

## Major & Minor Inspection Statistics Report

Completed Dates: 11/7/2016 - 11/11/2016



**Total Count Late**  
No Lates in this time period.

Division	Work Grp Date	Bus	Task	Work Order	Sched Date	Sched Stat	Compl Date	Completed Stat	Early Late	Status
D2	2016-10-31	1560	8030	01829443	2016-10-30	10,918	2016-11-02	10,844	-74.20	On_Time
D2	2016-11-07	0016	8030	01836177	2016-11-06	151,367	2016-11-10	151,320	-47.20	On_Time
D2	2016-11-07	1004	8030	01831657	2016-11-06	411,667	2016-11-09	411,370	-297.40	On_Time
D2	2016-11-07	1020	8050	01834198	2016-11-11	397,254	2016-11-07	396,929	-325.00	On_Time
D2	2016-11-07	1021	8050	01834199	2016-11-13	558,432	2016-11-11	558,116	-316.50	On_Time
D2	2016-11-07	1339	8050	01831711	2016-11-05	194,409	2016-11-11	194,264	-145.40	On_Time
D2	2016-11-07	1351	8030	01834260	2016-11-10	158,458	2016-11-09	157,965	-493.00	On_Time
D2	2016-11-07	1359	8050	01834268	2016-11-08	188,174	2016-11-07	187,646	-527.90	Early
D2	2016-11-07	1361	8030	01834270	2016-11-09	164,762	2016-11-08	164,475	-287.10	On_Time
D2	2016-11-07	1455	8030	01833444	2016-11-09	122,695	2016-11-08	122,469	-225.90	On_Time
D2	2016-11-07	1461	8050	01834289	2016-11-08	123,777	2016-11-07	123,753	-24.30	On_Time
D2	2016-11-07	1462	8030	01834291	2016-11-08	120,363	2016-11-07	120,134	-229.40	On_Time
D2	2016-11-07	1463	8030	01834294	2016-11-09	120,555	2016-11-08	120,433	-121.70	On_Time
D2	2016-11-07	1467	8050	01834298	2016-11-11	111,096	2016-11-11	111,094	-2.30	On_Time
D2	2016-11-07	1567	8030	01834310	2016-11-08	11,520	2016-11-07	11,436	-83.90	On_Time



# PREVENTATIVE MAINTENANCE

Data Elements	System of Record
Division	Asset Management System
Work Grp Date	Asset Management System
Bus	Asset Management System
Task	Asset Management System
Work Order	Asset Management System
Sched Date	Asset Management System
Sched Stat	Asset Management System
Compl Date	Asset Management System
Completed Stat	Asset Management System
Early Late	Asset Management System
Status	Asset Management System





# MASTER COACH LIST REPORT

Division

1 of 1 100% Find | Next

0012	1207	1354	1463	1575	5018	5116	6150
0014	1208	1355	1464	1576	5019	6049	6151
0015	1209	1356	1465	1577	5020	6050	6152
0016	1210	1357	1466	1578	5021	6051	6153
1004	1211	1358	1467	1579	5022	6052	6154
1005	1212	1359	1468	1580	5023	6053	
1006	1213	1360	1556	2004	5024	6054	
1007	1214	1361	1557	2005	5025	6055	
1008	1215	1362	1558	5001	5026	6056	
1009	1338	1363	1559	5002	5027	6058	
1010	1339	1364	1560	5003	5101	6059	
1011	1340	1365	1561	5004	5102	6060	
1012	1341	1450	1562	5005	5103	6061	
1013	1342	1451	1563	5006	5104	6062	
1014	1343	1452	1564	5007	5105	6063	
1015	1344	1453	1565	5008	5106	6064	
1016	1345	1454	1566	5009	5107	6065	
1017	1346	1455	1567	5010	5108	6066	
1018	1347	1456	1568	5011	5109	6075	
1019	1348	1457	1569	5012	5110	6144	
1020	1349	1458	1570	5013	5111	6145	
1021	1350	1459	1571	5014	5112	6146	
1022	1351	1460	1572	5015	5113	6147	
1023	1352	1461	1573	5016	5114	6148	
1086	1353	1462	1574	5017	5115	6149	

**DIVISION 2 - 180**

155 Operational - 25 Down

0004	1046	1108	1324	1441	1528	1553	2050	6045
0005	1047	1110	1325	1442	1529	1554	2056	6046
0006	1048	1301	1326	1443	1530	1555	2216	6047
0007	1049	1302	1327	1444	1531	2006	2217	6048
0008	1050	1303	1328	1445	1532	2007	2218	6067
0009	1052	1304	1329	1446	1533	2008	2219	6074
0010	1053	1305	1330	1447	1534	2009	2220	6101
0011	1057	1306	1331	1448	1535	2010	2221	6102
0013	1058	1307	1332	1449	1536	2011	2222	6103
1025	1059	1308	1333	1512	1537	2012	2223	6104
1027	1062	1309	1334	1513	1538	2013	3501	6105
1029	1066	1310	1335	1514	1539	2014	3502	6106
1030	1072	1311	1336	1515	1540	2016	3503	6107
1031	1087	1312	1337	1516	1541	2017	3504	6108
1032	1088	1313	1430	1517	1542	2018	3505	6109
1033	1089	1314	1431	1518	1543	2019	6003	6110
1034	1090	1315	1432	1519	1544	2023	6016	
1036	1091	1316	1433	1520	1545	2024	6018	
1039	1093	1317	1434	1521	1546	2032	6022	
1040	1094	1318	1435	1522	1547	2033	6023	
1041	1096	1319	1436	1523	1548	2035	6039	
1042	1100	1320	1437	1524	1549	2037	6040	
1043	1101	1321	1438	1525	1550	2043	6042	
1044	1102	1322	1439	1526	1551	2044	6043	
1045	1106	1323	1440	1527	1552	2047	6044	

**DIVISION 4 - 216**

186 Operational - 30 Down

**DISTRICT TOTAL - 602**

Master Coach List 11/3/2016

1201	1408	1504	2155	2207	5039	5129	6113	6138
1202	1409	1505	2156	2208	5040	5130	6114	6139
1203	1410	1506	2157	2209	5041	5131	6115	6140
1204	1411	1507	2158	2210	5042	5132	6116	6141
1205	1412	1508	2159	2211	5043	5133	6117	6142
1206	1413	1509	2160	2212	5044	5134	6118	6143
1216	1414	1510	2162	2213	5045	5135	6119	
1217	1415	1511	2163	2214	5046	5136	6120	
1218	1416	2001	2164	2215	5047	5137	6121	
1219	1417	2002	2165	3506	5048	5138	6122	
1220	1418	2003	2191	3507	5049	5139	6123	
1221	1419	2101	2192	3508	5050	6041	6124	
1222	1420	2102	2193	3509	5051	6057	6125	
1223	1421	2103	2194	3510	5117	6068	6126	
1224	1422	2104	2195	5028	5118	6069	6127	
1225	1423	2105	2196	5029	5119	6070	6128	
1226	1424	2106	2197	5030	5120	6071	6129	
1227	1425	2107	2198	5031	5121	6072	6130	
1401	1426	2108	2199	5032	5122	6073	6131	
1402	1427	2109	2201	5033	5123	6076	6132	
1403	1428	2110	2202	5034	5124	6077	6133	
1404	1429	2151	2203	5035	5125	6078	6134	
1405	1501	2152	2204	5036	5126	6079	6135	
1406	1502	2153	2205	5037	5127	6111	6136	
1407	1503	2154	2206	5038	5128	6112	6137	

**DIVISION 6 - 206**

160 Operational - 46 Down



# MASTER COACH LIST REPORT

Data Elements	System of Record
VehicleId	Asset Management System
Division Count	Asset Management System
Division Operational Count	Asset Management System
Division Down Count	Asset Management System



# FLEET SPARE RATIO REPORT

## Fleet Spare Ratio Report

Booking No: 1608FA

Executed On: 11/15/2016

Division 2: Emeryville

Fleet  
Total

Peak	Total	Spare	Ratio
483	602	119	20%

Service Type	Service Demand by Hour																							Max Peak	Bus Total	Spare Total	Spare Ratio	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22					23
BS30	0	0	0	0	0	0	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	0	0	3	4	1	25%	
MCI	0	0	0	0	0	7	12	15	10	0	0	0	0	1	7	7	13	15	14	6	2	1	0	0	15	18	3	17%
PR40	0	0	0	0	1	6	8	8	8	8	8	8	8	10	10	10	10	9	8	6	4	4	4	10	17	7	41%	
RP40	0	0	0	0	0	4	10	12	13	13	13	13	13	13	14	14	14	14	8	0	0	0	0	14	17	3	18%	
ST30	0	0	0	0	0	17	26	29	29	30	30	30	30	31	32	32	32	32	25	15	11	4	0	32	39	7	18%	
ST40	10	5	5	3	9	36	57	62	53	49	48	47	47	49	58	61	61	62	57	50	37	26	19	18	62	72	10	14%
ST60	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	2	1	50%	
TB40	0	0	0	0	0	3	6	9	8	0	0	0	0	2	3	5	8	9	8	4	1	0	0	0	9	11	2	18%
<b>Total</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>10</b>	<b>73</b>	<b>123</b>	<b>139</b>	<b>124</b>	<b>102</b>	<b>102</b>	<b>101</b>	<b>101</b>	<b>106</b>	<b>125</b>	<b>133</b>	<b>142</b>	<b>146</b>	<b>137</b>	<b>104</b>	<b>64</b>	<b>45</b>	<b>27</b>	<b>22</b>	<b>146</b>	<b>180</b>	<b>34</b>	<b>23%</b>





# FLEET SPARE RATIO REPORT

Data Elements	System of Record
Service Type	Scheduling System
Service Demand by Hour	Scheduling System
Max Peak	Scheduling System
Bus Total	Asset Management System
Spare Total	Business Logic
Spare Ratio	Business Logic



# TRANSBAY DISPATCH CONCERNS REPORT

## Transbay Dispatch Concerns

Weekday Schedule 10/3/2016

Evaluating Hastus blocks, OTS bus pull outs and Ellipse vehicles

5.88 % Overall Vehicle Dispatch Concerns

1.68 % Under Capacity - bus too small

4.2 % Overcapacity - bus too large

Div	Block	Route All	Hastus Sched Start	Hastus Sched End	Hastus Vehicle Type	Dispatch Vehicle	Veh Id	Dispatch Start	Dispatch End	Concerns
⊕ D2	3 of 33	9.09 % Overall Concerns			3.03 % Under Capacity			6.06 % Overcapacity		
	109002	FS	07:03:00	08:32:00	ST40	BUS: 2002 MCI D4500-55645C	6075	07:03:00	08:32:00	Overcapacity
	120002	G/Z/FS	06:14:00	09:23:00	MCI	BUS: GILLIG,2014	6148	06:14:00	09:23:00	Under Capacity
	123006	L	06:42:00	08:38:00	ST40	BUS: GILLIG,2014	6150	06:42:00	08:38:00	Overcapacity
⊕ D4	4 of 54	7.41 % Overall Concerns			1.85 % Under Capacity			5.56 % Overcapacity		
	103002	C	07:08:00	09:00:00	TB40	BUS: 2002 MCI D4500-55645C	6047	07:08:00	09:00:00	Overcapacity
	125010	OX	05:52:00	09:15:00	MCI	BUS: GILLIG,2014	6102	05:52:00	09:15:00	Under Capacity
	125016	O	07:02:00	09:08:00	ST40	BUS: GILLIG,2014	6108	07:02:00	09:08:00	Overcapacity
	104002	651/CB	07:10:00	09:30:00	ST40	BUS: GILLIG,2014	6110	07:10:00	09:30:00	Overcapacity



# TRANSBAY DISPATCH CONCERNS REPORT

Data Elements	System of Record
Division	Scheduling System
Block	Scheduling System
Route All	Scheduling System
Scheduled Start Time	Scheduling System
Scheduled End Time	Scheduling System
Scheduled Vehicle Type	Scheduling System
Dispatched Vehicle Type	Daily Operation System
Dispatched Vehicle Id	Daily Operation System
Dispatched Start Time	Daily Operation System
Dispatched End Time	Daily Operation System
Concerns	Business Logic

# ON TIME PERFORMANCE KPI REPORT



Dashboard | Key Performance Indicators - | Transportation - | Utilities -

Frequency - Weekly

Daily  
 Weekly  
 Monthly  
 Quarterly

Division - All

System Wide  
 D4  
 D2  
 D6  
 All



# ON TIME PERFORMANCE KPI REPORT

Data Elements	System of Record
Routes	Scheduling System
Scheduled Arrival Times	Scheduling System
Actual Arrival Times	CAD/AVL



# MAINTENANCE MANPOWER UNAVAILABILITY

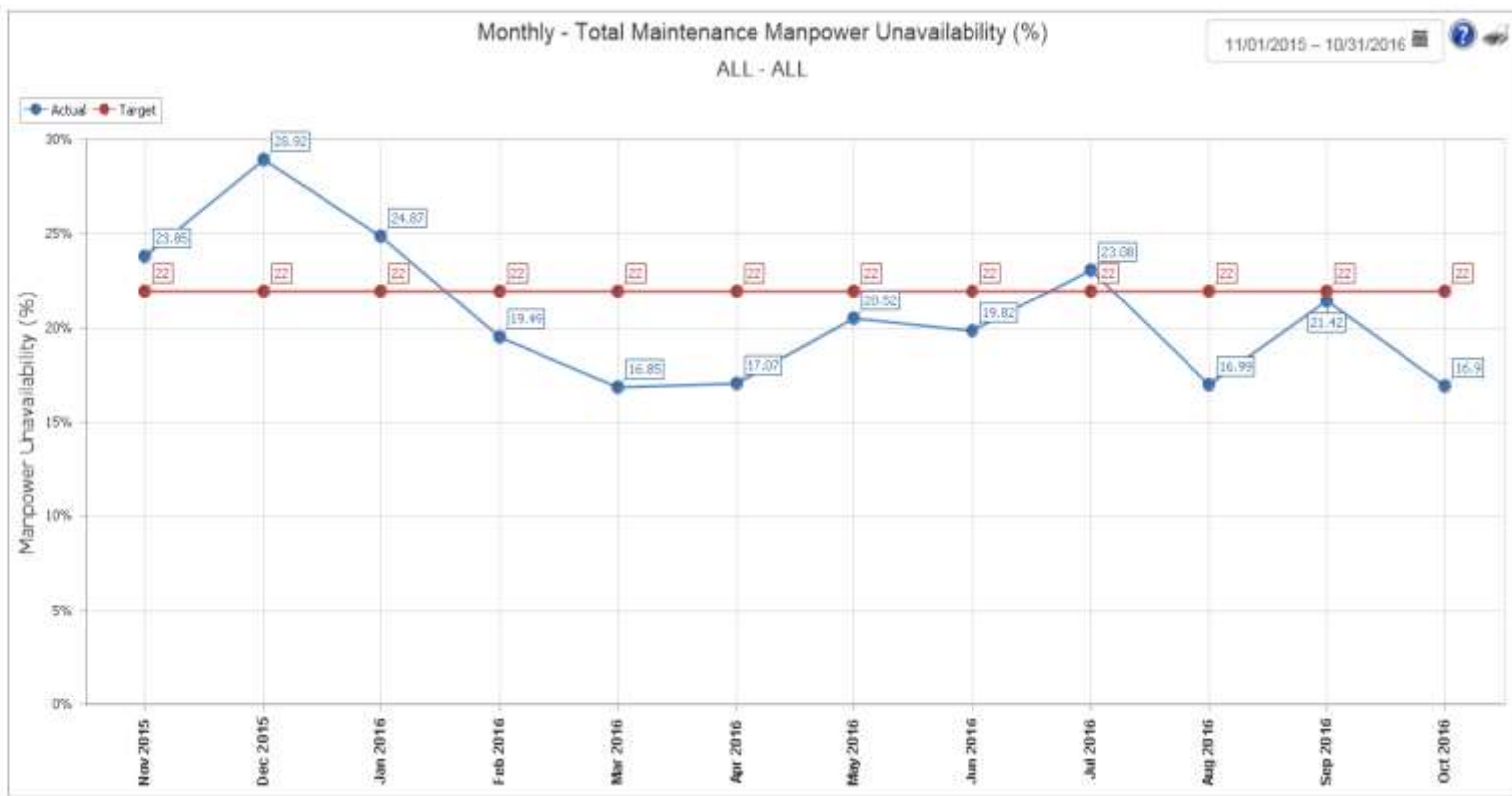


Alameda-Contra Costa Transit District ▶ Maintenance Manpower Unavailability

Dashboard Key Performance Indicators ▶ Transportation ▶ Utilities ▶

- Frequency - Monthly
- Biweekly
- Monthly**
- Quarterly

Manpower Unavailability Type: Total Maintenance Manpower Unavailabl  
Maintenance Department: ALL  
Maintenance Group: ALL





# MAINTENANCE MANPOWER UNAVAILABILITY

Data Elements	System of Record
Report From Date/Report To Date	HCM
Maintenance Department	HCM
Maintenance Group	HCM
Actual	HCM



**Thank You**

**Questions?**

