

# APS Long-Range Operations Schedule (Fiscal Year 2017)

Run 2016-3

Run 2017-1

Run 2017-2

Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1	1	1 4 4 4	1	1	1 1 1	1	1	1	1 1 1 1	1	1
2	2	2 1 1	2 4 4 4	2	2	2 1 1 1	2	2	2	2 1 1 1	2	2
3	3	3 1 1 1	3 4 4 4	3	3	3 1 1 1	3	3	3	3 1 1 1	3	3
4	4	4 1 1 1	4 4 4 4	4	4	4 1 1 1	4	4	4	4 1 1 1	4	4
5	5	5 1 1 1	5 4	5	5	5 1 1 1	5	5	5	5 1 1 1	5	5
6	6	6 1 1 1	6	6	6	6 1	6	6	6	6 1 1 1	6	6
7	7	7 1	7	7	7	7 1 1 1	7	7	7	7 1 1 1	7	7
8	8	8 1 1	8	8	8	8 1 1 1	8	8	8	8 1 1 1	8	8
9	9	9 1 1 1	9	9	9	9 1 1 1	9	9	9	9 1 1 1	9	9
10	10	10 1 1 1	10	10	10	10 1 1 1	10	10	10	10 1	10	10
11	11	11 1 1 1	11	11	11	11 1 1 1	11	11	11	11 4 4	11	11
12	12	12 1 1 1	12	12	12	12 1 1 1	12	12	12	12 4 4 4	12	12
13	13	13 1 1 1	13	13	13	13 1	13	13	13	13 4 4 4	13	13
14	14	14 1	14	14	14	14 4 4	14	14	14	14 4 4 4	14	14
15	15	15 4 4	15	15	15	15 4 4 4	15	15	15	15 4 4 4	15 4 4	15
16	16	16 4 4 4	16	16	16	16 4 4 4	16	16	16	16 4 4 4	16 4 4 4	16
17	17	17 4 4 4	17	17	17	17 4 4 4	17	17	17	17 4	17 4 4 4	17
18	18	18 4 4 4	18	18	18	18 4 4 4	18	18	18	18 4 4	18 4 4 4	18
19	19	19 4 4 4	19	19	19	19 4 4 4	19	19	19	19 4 4 4	19 4 4 4	19
20	20	20 4 4 4	20	20	20	20 4	20	20	20	20 4 4 4	20 4 4 4	20
21	21	21 4 4 4	21	21	21	21 4 4	21	21	21	21 4 4 4	21 4 4 4	21
22	22	22 4 4 4	22	22	22	22 4 4 4	22	22	22	22 4 4 4	22 4 4 4	22
23	23	23 4	23	23	23	23 4 4 4	23	23	23	23 4 4 4	23	23
24	24	24	24	24	24	24 4 4 4	24	24	24	24 4	24	24
25	25	25 4 4	25	25	25	25 4 4 4	25	25	25	25	25	25
26	26	26 4 4 4	26	26	26	26 4 4 4	26	26	26	26	26	26
27	27	27 4 4 4	27	27	27	27 4	27	27	27	27	27	27
28	28	28 4 4 4	28	28	28	28	28	28	28	28 1 1	28	28
29	29	29 4 4 4	29	29	29	29	29	29	29	29 1 1 1	29	29
30	30	30 4 4 4	30	30	30	30	30	30	30	30 1 1 1	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31

User Operation in standard lattice  
 User Operation in Reduced Horizontal Lattice(RHB)

**SOM Periods**  
 1 Hybrid Fill - (singlet)  
 1 Hybrid Fill RHB - (singlet)  
 4 324 Singlets - Non Top-Up  
 4 324 Singlets RHB - Non Top-Up

Machine Studies  
 Maintenance  
 Shifts set aside for Studies/  
 Machines Intervention as Needed

Weekends  
 Lab Holidays  
 Slightly Higher Risk to Operations due to Shutdown Activities

Top-Up Operations is standard unless indicated in fill pattern

Fill pattern is 24 singlets unless otherwise indicated by number

# Breakdown of User Shifts by Fill Pattern

*Number of 8-hour User Shifts*

	<i>24 Singlets - Top-Up</i>	<i>Hybrid Fill - Top-Up</i>	<i>324 Singlets - Non Top-Up</i>	<i>Total Shifts</i>	<i>Total Hours</i>
2016-3	108	33	54	195	1560
2017-1	146	33	36	215	1720
2017-2	123	33	59	215	1720
SUM	377	99	149	625	5000