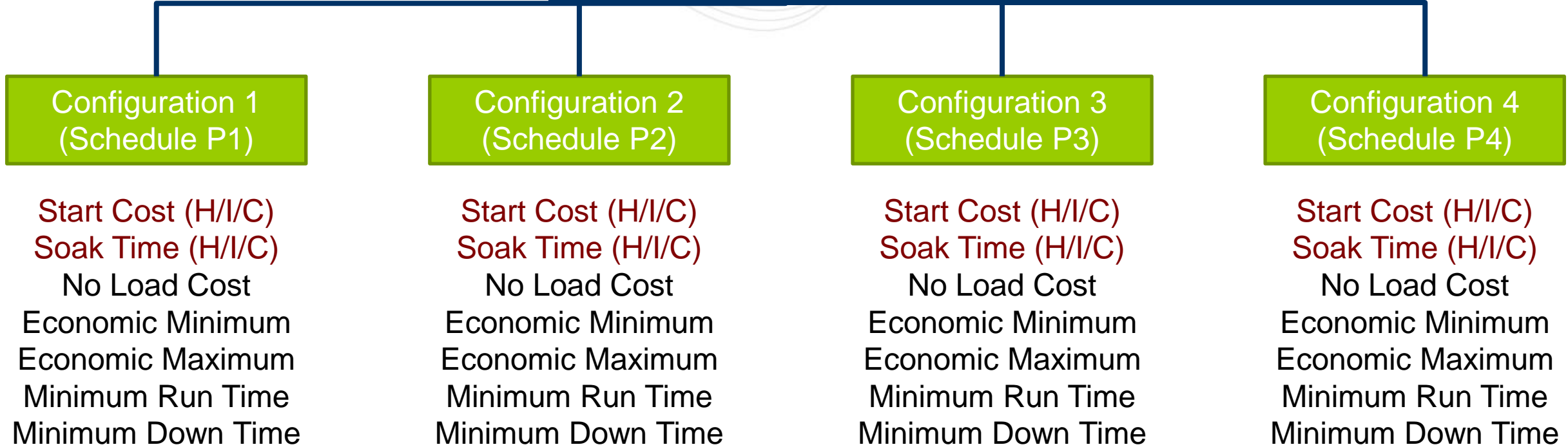


# Transition Matrix Examples

Troy Cawley  
Sr. Engineer  
Real Time Market Operations  
Modelling Generation Senior Task Force

One Market Unit ID



Start Cost and Soak Time will only be used for initial unit startup into that configuration.  
 A unit configuration must be mapped to a unit schedule

		TO:			
		1	2	3	4
FROM:	1		A ↑\$	B ↑\$	C ↑\$
	2	G ↓		D ↑\$	E ↑\$
	3	H ↓	I ↓		F ↑\$
	4	J ↓	K ↓	L ↓	

**Key:**

↑\$ Startup transition; Startup costs a entered for each transition in the matrix

↓ Shutdown transition; No startup costs.

		TO:			
		1	2	3	4
FROM:	1		A ↑\$	B ↑\$	C ↑\$
	2	G ↓		D ↑\$	E ↑\$
	3	H ↓	I ↓		F ↑\$
	4	J ↓	K ↓	L ↓	

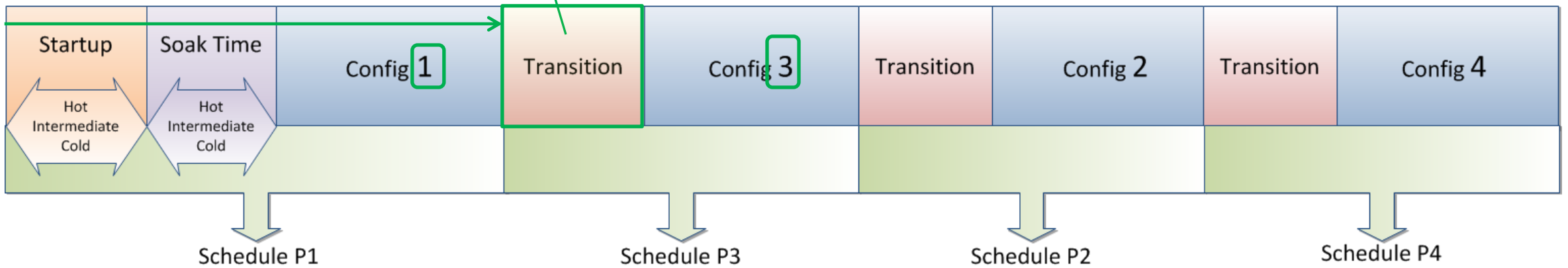
Key:

↑\$ Startup transition; Startup costs a entered for each transition in the matrix  
↓ Shutdown transition; No startup costs.

Transition	From	To	Transition Type
A	1	2	Up ↑
B	1	3	Up ↑
C	1	4	Up ↑
D	2	3	Up ↑
E	2	4	Up ↑
F	3	4	Up ↑
G	2	1	Down ↓
H	3	1	Down ↓
I	3	2	Down ↓
J	4	1	Down ↓
K	4	2	Down ↓
L	4	3	Down ↓

Transition	From	To	Transition Type	Parameters (submitted for each transition)
A	1	2	Up ↑	<ul style="list-style-type: none"> <li>Transition Profile (Time/MW )</li> <li>Transition Cost</li> </ul>
B	1	3	Up ↑	
C	1	4	Up ↑	
D	2	3	Up ↑	
E	2	4	Up ↑	
F	3	4	Up ↑	
G	2	1	Down ↓	<ul style="list-style-type: none"> <li>Transition Profile (Time/MW )</li> </ul>
H	3	1	Down ↓	
I	3	2	Down ↓	
J	4	1	Down ↓	
K	4	2	Down ↓	
L	4	3	Down ↓	

Transition		TO:			
		1	2	3	4
FROM:	1		↑\$	↑\$	↑\$
	2	↓		↑\$	↑\$
	3	↓	↓		↑\$
	4	↓	↓	↓	



Transition		TO:			
		1	2	3	4
FROM:	1		↑\$	↑\$	↑\$
	2	↓		↑\$	↑\$
	3	↓	↓		↑\$
	4	↓	↓	↓	

