Power Generating Station Process logic

Loads:

1. Industrial
2. Airport
3. Residential
4. City
5. Station light
6. Track A (inner)
7. Track B (outer)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***No. Loads*** | ***Freq*** | ***LED*** | ***Motor*** | ***Pump***  ***State*** | ***Smoke*** | ***Siren*** | ***Voltage*** |
| 0 | 52.00 | Red | High | Remain: Low | Off | On | 11 kV |
| 1 | 51.20 | Yellow | High | Remain: Low | High | On | 11 kV |
| 2 | 50.80 | Yellow | High | Remain: Low | High | Off | 11 kV |
| 3 | 50.40 | Green | High | Remain: Low | High | Off | 11 kV |
| **4** | **50.00** | **Green** | **High** | **Low** | **High** | **Off** | 11 kV |
| 5 | 49.40 | Green | High | Remain: Low | High | Off | 11 kV |
| 6 | 49.80 | Yellow | Low | Change: High | Low | On | 11 kV |
| 7 | 48.20 | Red | Low | Change: High | Low | On | 11 kV |
| - | 0 | Red | Off | - | off | On | 0 kV |
| 6 | 50.00 | Green | High | High | High | Off | 11 kV |
| 7 | 49.80 | Yellow | High | High | High | Off | 11 kV |

**System cut off all power, if load increase to 7 and operator fail to change the pump speed from low to high after 1 minute**

Base load:

Airport, City, Industrial, Track A