UF Report

2025-09-01 to 2025-09-22

■ Executive Summary

Robot deployment during 2025-09-01 to 2025-09-22 processed 63.0 total tasks, covering 336,831.0 square feet with 56.5 total running hours.

2

Total Robots

336,831.0

Sq Ft Cleaned

vs last: -13414.0 sq ft

88.0%

Coverage

vs last: +17.2%

56.5

Total Running Hours

vs last: -27.5 hrs

2.5

Avg Daily Running Hours per Robot (hrs/robot)

vs last: -0.4 hrs/robot

15/23

Days with Tasks vs last: -1.0 days

22.6 kWh

Energy Used

vs last: -8.3 kWh

6 Key Achievements

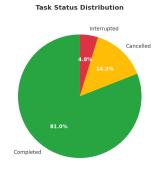
- 63.0 total tasks processed during reporting period
- 336,831.0 square feet cleaned across all locations
- · 2.0 robots actively deployed and monitored
- 80.0 charging sessions during the period

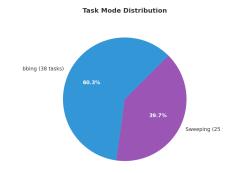
Task & Schedule Performance

Task Management Efficiency

Task tracking across all facilities: 63 total tasks with 31,292 sq ft total coverage and 53.8 minutes average task duration.

Metric	Total	Completed	In Progress	Average Duration
All Facilities	63	51	0	53.8 min (vs last: +8.0 min)





Facility-Specific Performance

Building 205 Dental Science

Performance metrics for Building 205 Dental Science: 38 total tasks, 163,591 sq ft total area cleaned, 89.1% average coverage, 6363.4 sq ft/hour time efficiency, and 1.4 sq ft/fl oz water efficiency.

Metric	Performance	vs Last Period
Total Area Cleaned	163,591 sq ft	-72364.0 sq ft
Average Coverage	89.1%	+18.0%
Running Hours	25.7 hours	-12.3 hrs
Time Efficiency	6363.4 sq ft/hr	+152.7 sq ft/hr
Power Efficiency	17,801 sq ft/kWh	+87.0 sq ft/kWh
Water Efficiency	1.4 sq ft/fl oz	+0.4 sq ft/fl oz

Building 43 Marston Science Library

Performance metrics for Building 43 Marston Science Library: 25 total tasks, 173,240 sq ft total area cleaned, 87.0% average coverage, 5621.2 sq ft/hour time efficiency, and 0.0 sq ft/fl oz water efficiency.

Metric	Performance	vs Last Period	
Total Area Cleaned	173,240 sq ft	-72022.0 sq ft	
Average Coverage	87.0%	+16.6%	
Running Hours	30.8 hours	-15.2 hrs	
Time Efficiency	5621.2 sq ft/hr	+292.0 sq ft/hr	
Power Efficiency	12,957 sq ft/kWh	-970.0 sq ft/kWh	
Water Efficiency	0.0 sq ft/fl oz	0 sq ft/fl oz	

→ Resource Utilization & Efficiency

Resource utilization: 22.60 kWh total energy consumption, 114280 fl oz total water usage, 14930 sq ft per kWh energy efficiency, and 377 sq ft per gallon water efficiency.

Energy Usage by Facility

- Building 205 Dental Science: 9.2 kWh (vs last: -4.1 kWh)
- Building 43 Marston Science Library: 13.4 kWh (vs last: -4.2 kWh)

Water Usage by Facility

- Building 205 Dental Science: 114280 fl oz (vs last: -116161.0 fl oz)
- Building 43 Marston Science Library: 0 fl oz (vs last: 0 fl oz)

Financial Performance

Financial analysis based on actual resource usage: \$0.00/sq ft average cost per square foot, \$0.00 total operational cost, 42.1 hours saved compared to manual cleaning, and \$1,052.60 in realized savings.

Operational Metric	Value	vs Previous Period	Notes
Cost per Sq Ft	\$0.00/sq ft	0	Operational efficiency (water + energy cost per area)
Total Operational Cost	\$0.00	0	Robot operational cost this period
ROI	42.6%	+16.5%	Return on Investment (cumulative savings ÷ total investment × 100)
Total Investment	\$6,000.00	N/A	Cumulative lease investment (\$1500/month per robot)
Cost Efficiency Improvement	100.0%	+0.0%	Efficiency improvement vs manual cleaning
Water Cost	\$0.00	0	Water resource cost component
Energy Cost	\$0.00	0	Energy resource cost component

ROI Calculation Method

ROI Formula: Cumulative Savings ÷ Total Investment × 100

Investment: \$1,500/month per robot × months elapsed (rounded up for billing)

Cumulative Savings: All-time savings from first robot task to end of reporting period

Chart Note: ROI trend shows daily cumulative values (not weekly averages, as ROI is cumulative by nature)

Financial Impact Summary

\$1,052.60

Manual Cleaning Cost vs last: -451.2

\$12,631.16

Annual Projected Savings

vs last: -5414.5

\$1.278.20/month

Monthly Savings Rate

vs last: +494.4

\$1,052.60

Savings Realized vs last: -451.2

\$2,556.40

Cumulative Savings vs last: +988.8

42.1 hrs

Hours Saved vs Manual vs last: -18 1 hrs

4.7 months

Payback Period vs last: 0 months

Financial calculations based on actual resource usage, lease model, and human cleaning speed benchmarks.

Charging Sessions Performance

Charging patterns and battery management during the reporting period: 80 total sessions, 339.5 minutes average duration, and 20.8% average power gain per session.

80

Total Charging Sessions vs last: +8.0 sessions

339.5 min

Avg Charging Duration vs last: +32.7 min

81.0 min

Median Charging Duration vs last: -60.0 min

+20.8%

Avg Power Gain per Session

vs last: -1.6%

+8.0%

Median Power Gain per Session vs last: +1.0%

Charging Patterns by Location

Location	Total Sessions	Avg Duration	Median Duration	Avg Power Gain	Median Power Gain
Building 205 Dental Science	vs last: +5.0 sessions	258.5 min vs last: +1.2 min	16.0 min vs last: -91.0 min	+12.9% vs last: -6.4%	+1.0% vs last: -5.0%
Building 43 Marston Science Library	36 vs last: +3.0 sessions	422.8 min vs last: +61.5 min	192.0 min vs last: +20.5 min	+30.6% vs last: +4.4%	+31.0% vs last: +14.0%

© Conclusion

2025-09-01 To 2025-09-22 performance summary: 81.0% task completion rate across 2.0 robot(s), 63.0 tasks completed, 336,831.0 sq ft cleaned, 80.0 charging sessions, and 42.6% return on investment.

UF Report

Period: 2025-09-01 to 2025-09-22

Robots Included: 2

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