

Connecticut General Assembly



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SUBJECT: Expanding GPS Monitoring for Parole and Probation

You asked, what is the cost of expanding Global Positioning System (GPS) monitoring for both parole and probation?

Parole-

The current contract rate for passive GPS monitoring¹ is \$6.45 per day (for less than 100 units) and \$5.95 per day (for more than 100 units). The Parole Officer (PO) ratio requirements for GPS monitoring is 30:1 (vs. 60:1 for normal parole). For each 30 additional units of GPS, there is an increase of \$71,725 in staffing costs and other expenses².

Table 1 illustrates the annual increased cost for each 30 additional units of passive GPS.

TABLE 1			
# GPS Units	Cost of GPS Units (\$)	Additional Staffing Cost (\$)	Total (\$)

¹ An active surveillance GPS device contains a modem that continuously transmits (via wireless signals) the location of a person, which allows for the real-time monitoring of probationers or parolees. A passive GPS device collects the same data as an active device, but the passive device does not transmit the data until it has been connected to a telephone land line.

² PO salary (\$54,737), other expenses (\$16,988).

30	70,628	71,725	142,353
60	141,255	143,450	284,705
90	211,883	215,175	427,058
120	260,610	286,900	547,510
150	325,763	358,625	684,388
180	390,915	430,350	821,265
210	456,068	502,075	958,143
240	521,220	573,800	1,095,020
270	586,373	645,525	1,231,898
300	651,525	717,250	1,368,775
330	716,678	788,975	1,505,653
360	781,830	860,700	1,642,530
390	846,983	932,425	1,779,408
420	912,135	1,004,150	1,916,285
450	977,288	1,075,875	2,053,163
480	1,042,440	1,147,600	2,190,040
510	1,107,593	1,219,325	2,326,918

The current contract rate for active GPS is \$12.95 per day (for less than 100 units) and \$12.45 per day (for more than 100 units).

Table 2 illustrates the annual increased cost for each 30 additional units of active GPS.

TABLE 2			
# GPS Units	Cost of GPS Units (\$)	Additional Staffing Cost (\$)³	Total
30	141,803	71,725	213,528
60	283,605	143,450	427,055
90	425,408	215,175	640,583
120	545,310	286,900	832,210
150	681,638	358,625	1,040,263
180	817,965	430,350	1,248,315
210	954,293	502,075	1,456,368
240	1,090,620	573,800	1,664,420
270	1,226,948	645,525	1,872,473
300	1,363,275	717,250	2,080,525
330	1,499,603	788,975	2,288,578
360	1,635,930	860,700	2,496,630
390	1,772,258	932,425	2,704,683
420	1,908,585	1,004,150	2,912,735
450	2,044,913	1,075,875	3,120,788
480	2,181,240	1,147,600	3,328,840
510	2,317,568	1,219,325	3,536,893

³ The additional staffing costs for active GPS could increase significantly if the PO ratio drops below 30:1, in order to monitor parolees.

The average cost of incarceration (COI) is \$44,165⁴. **Table 3** compares the average annual COI with the use of both passive and active GPS (annually). Currently, the Department of Correction (DOC) does not use GPS as a replacement for normal community supervision, or incarceration. GPS increases the information to review about an offender's activity.

TABLE 3			
# units	Passive GPS (\$)	Active GPS (\$)	COI (\$)
30	142,353	213,528	1,324,950
60	284,705	427,055	2,649,900
90	427,058	640,583	3,974,850
120	547,510	832,210	5,299,800
150	684,388	1,040,263	6,624,750
180	821,265	1,248,315	7,949,700
210	958,143	1,456,368	9,274,650
240	1,095,020	1,664,420	10,599,600
270	1,231,898	1,872,473	11,924,550
300	1,368,775	2,080,525	13,249,500
330	1,505,653	2,288,578	14,574,450
360	1,642,530	2,496,630	15,899,400
390	1,779,408	2,704,683	17,224,350
420	1,916,285	2,912,735	18,549,300
450	2,053,163	3,120,788	19,874,250
480	2,190,040	3,328,840	21,199,200
510	2,326,918	3,536,893	22,524,150

Probation-

The contractual, annual cost for the electronic monitoring of any probationer with a GPS device is either \$4,727 (active surveillance) or \$2,354 (passive surveillance). These costs are in addition to the average cost of supervising an individual on probation, which is \$3,700⁵.

Please contact us if you have additional questions

⁴ Inmate per capita cost is \$44,165 per the Comptroller's calculated cumulative rate based on the expenditures of fiscal year ending June 30, 2006.

⁵The average cost includes salaries, fringe benefits, expenses, overhead, and contracted program services such as substance abuse counseling.