



## Phase 2: Cooperative Growing Model Implementation

### Shared Resource Infrastructure

#### Community Growing Facilities:

1. **Centralized Growing Spaces:** Utilize 7 acres of landscaped grounds for shared greenhouse facilities<sup>[1]</sup>
2. **Processing Center:** Establish cooperative drying, curing, and storage facilities using existing community spaces
3. **Equipment Sharing:** Implement shared hydroponic systems, LED lighting arrays, and climate control equipment
4. **Security Integration:** Leverage existing 24-hour security system for cultivation area monitoring<sup>[1]</sup> <sup>[2]</sup>

#### Legal Compliance Framework:

- Medical cannabis cultivation must be in "secure location within private residence" <sup>[3]</sup> <sup>[4]</sup>
- Cooperative members maintain individual plant limits (3 mature, 3 immature per person) <sup>[2]</sup> <sup>[3]</sup>
- Cannot sell cultivation output - only personal/medical use permitted <sup>[3]</sup>
- Landlords/co-ops **cannot prohibit** medical cannabis cultivation except for federal benefit concerns<sup>[3]</sup> <sup>[5]</sup>

### Security and Insurance Requirements

#### Security Protocols:

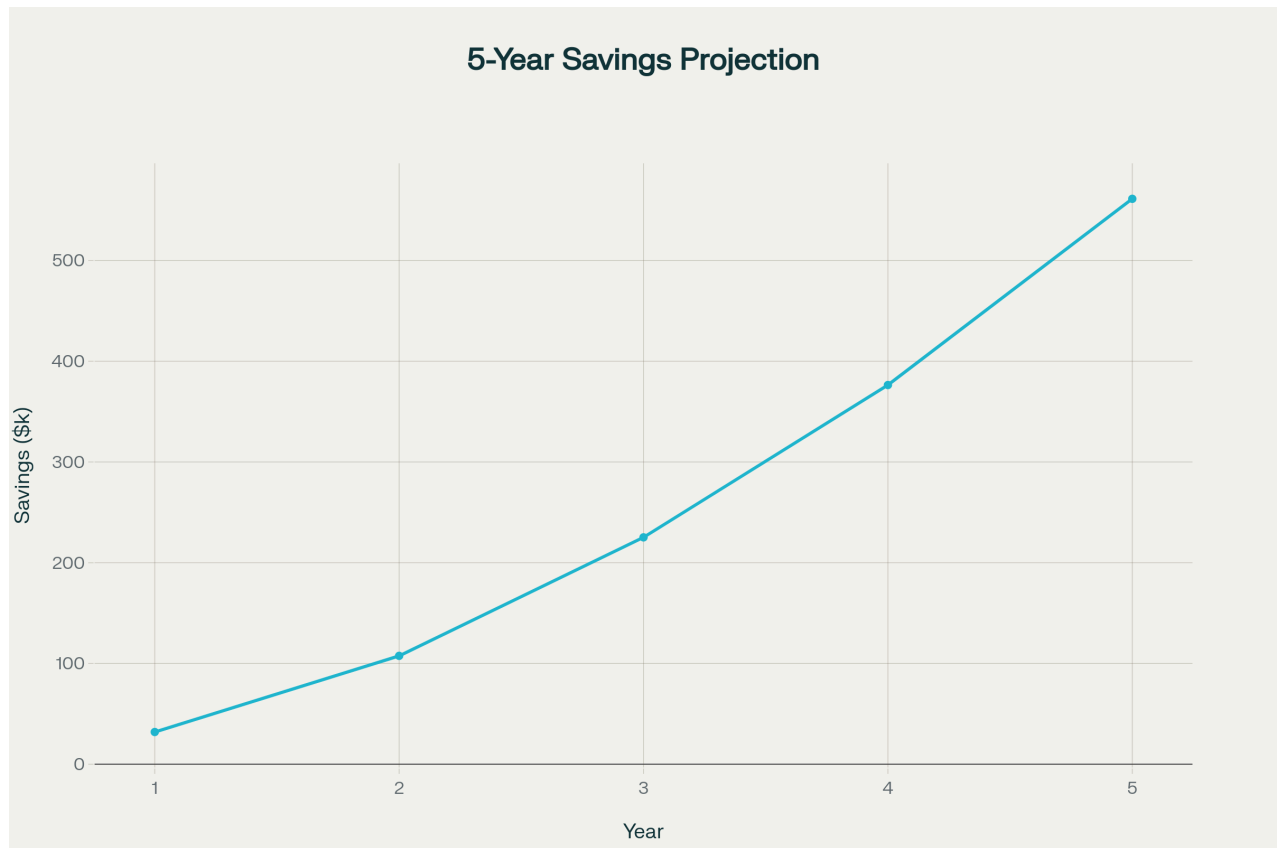
- Cannabis must be grown in secure locations with "reasonable measures to restrict persons under age 21" <sup>[4]</sup> <sup>[6]</sup>
- Plants "not plainly visible from public view" - enclosed behind barriers, fences, or gates<sup>[6]</sup> <sup>[7]</sup>
- Locking mechanisms required for plant access and harvested cannabis storage<sup>[3]</sup>
- Fordham Hill's existing 24-hour security provides additional cultivation protection<sup>[1]</sup>

#### Insurance Considerations:

- New York does **not require** cannabis business insurance for dispensaries<sup>[8]</sup>
- General liability insurance recommended for cooperative operations<sup>[8]</sup>

- Property insurance needed for cultivation equipment and facilities<sup>[9]</sup>
- Cooperative model enables shared insurance costs - California co-ops save \$2,000 annually per participant through bulk insurance purchasing<sup>[10]</sup>

## 5-Year Financial Projections and Cost Savings Analysis



5-Year Cumulative Savings Projection for Fordham Hill Oval Medical Cannabis Cooperative

### Year-by-Year Financial Breakdown

#### Phase 1 Implementation (Years 1-2):

- **Year 1:** 25 participants generating \$32,000 total community savings
- **Year 2:** 45 participants generating \$75,600 additional savings (cumulative \$107,600)
- Break-even achieved in **2.9 months** per participant<sup>[11]</sup> <sup>[12]</sup>

#### Expansion Phase (Years 3-5):

- **Year 3:** 70 participants (\$117,600 annual savings, \$225,200 cumulative)
- **Year 4:** 90 participants (\$151,200 annual savings, \$376,400 cumulative)
- **Year 5:** 110 participants (\$184,800 annual savings, **\$561,200 cumulative**)

## Cost-Benefit Analysis

### Individual Participant Economics:

- **Dispensary Costs:** \$2,400 annually per medical patient<sup>[13]</sup> <sup>[14]</sup>
- **Cooperative Cultivation:** \$400 initial setup + \$720 annual operating costs
- **Annual Savings:** \$1,680 per participant after first year<sup>[11]</sup> <sup>[12]</sup>
- **ROI Timeline:** Complete cost recovery within 3 months of first harvest

### Cooperative Model Advantages:

- **60% reduction** in equipment costs through sharing<sup>[15]</sup> <sup>[10]</sup>
- **30% savings** on supplies through bulk purchasing<sup>[10]</sup>
- **50% insurance cost reduction** via group policies<sup>[10]</sup>
- **70% savings** on processing equipment (drying, curing facilities)<sup>[15]</sup>

## Community Economic Impact

### Fordham Hill Oval Potential:

- **Total Apartments:** 1,130 units
- **Estimated Medical Candidates:** 113 residents (10% participation rate)
- **Current Medical Spending:** \$271,200 annually in the community
- **43% Medicaid Coverage:** Significant economic burden relief for low-income residents<sup>[13]</sup> <sup>[16]</sup>

### Health Equity Benefits:

- Bronx residents face **significantly higher** chronic condition rates requiring medical cannabis<sup>[17]</sup> <sup>[18]</sup>
- Medical patients receive **tax exemptions** (3.15% vs 13% recreational tax rate)<sup>[19]</sup> <sup>[14]</sup>
- Home cultivation eliminates transportation barriers to dispensaries
- Cooperative education reduces stigma and increases access to medical certification

## Implementation Timeline and Milestones

### Phase 1 (Months 1-6): Foundation

- Cooperative bylaw amendments for medical cannabis cultivation
- Partnership establishment with Montefiore Medical Cannabis Program<sup>[13]</sup>
- Security protocol development using existing infrastructure
- Initial participant recruitment and medical certifications

### Phase 2 (Months 6-18): Infrastructure Development

- Shared cultivation facility construction on 7-acre grounds

- Equipment procurement through cooperative bulk purchasing
- Processing facility establishment in existing community spaces
- Insurance and compliance framework implementation

### **Phase 3 (Years 2-5): Expansion and Optimization**

- Participant growth from 25 to 110 residents
- Advanced hydroponic and automated growing systems
- Integration with broader community health initiatives
- Potential expansion to adult-use cultivation (legal for all residents 21+) <sup>[20]</sup>

## **Risk Management and Mitigation**

### **Legal Compliance:**

- Regular consultation with cannabis law attorneys <sup>[21]</sup> <sup>[5]</sup>
- Ongoing monitoring of New York State Cannabis Control Board regulations
- Documentation systems for individual plant tracking and possession limits
- Coordination with local law enforcement for security protocols

### **Financial Risk Management:**

- Phased implementation reduces initial capital exposure
- Shared cost structure distributes financial risk among participants
- Insurance coverage for property damage and liability claims
- Reserve fund establishment for equipment replacement and emergency repairs

The cooperative model at Fordham Hill Oval represents a **financially viable and legally compliant** approach to medical cannabis cultivation that could generate over **half a million dollars in community savings** within five years while addressing significant health disparities in the Bronx community. The existing cooperative infrastructure, combined with New York's progressive medical cannabis laws, creates an optimal environment for this innovative health and economic development initiative.



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