

7/07

## Priority Scoring Sample Calculation

### Criterion 1 – Facilities Deficiencies

**Facilities Deficiency:**

$$FD = (1 - [AES / RS]) \times 400$$

$$FD = (1 - [194.16 / 3664]) \times 400$$

**Facilities Deficiency = 379**

# Priority Scoring Sample Calculation

## Criterion 2 – Health Resource Indicator

$$HRI = [1 - FDI] \times 200$$

$$HRI = [1 - 0.53] \times 200$$

$$\mathbf{HRI = 94}$$

# Priority Scoring

## Sample Calculation

### Criterion 3 – Isolation

If distance to Alternate Care > 90km then Isolation = 100  
If distance to Alternate Care < 40km then Isolation = 0

Otherwise, Isolation = (Distance to Alt Care / 90) × 100  
Alt Care = 13 km

**Isolation = 0**

# Priority Scoring Sample Calculation

## Criterion 4 – Facility Size

**Required Size = 3664m<sup>2</sup> (by supportable space formula)**

**Select a Facility Size Factor:**

If RS is less than 1,200 m<sup>2</sup>, FSF = 1.0

If 1,201 m<sup>2</sup> < RS < 6,000 m<sup>2</sup>, FSF =  $1 - ((RS - 1,200) \times 0.000006)$

If 6001 m<sup>2</sup> < RS < 20,000 m<sup>2</sup>, FSF =  $0.7 - ((RS - 6,000) \times 0.00000428)$

If RS is greater than 20,000 m<sup>2</sup>, FSF = 0

FSF = 0.852

Facility Size Criterion = FSF x 150

**Facility Size Criterion = 128**

# Priority Scoring Sample Calculation

## TOTAL SCORE

- 1. Facilities Deficiency = 379/400**
- 2. Health Resource Indicator = 94/200**
- 3. Isolation = 0/100**
- 4. Facility Size = 128/150**

**Total Score: 601/850**

# Priority Scoring Sample Calculation

Sample Service Area Data:

User Population = 4330

Facility Weighted Age = 24 years

Existing Facility Size = 1618 m<sup>2</sup>

FEDS Deficiencies = \$2,700,000

Distance to Alternate Healthcare = 13 km

FDI Score = 53%

FBE Factor = 0.95

# Priority Scoring

## Sample Calculation

### Criterion 1 – Facilities Deficiencies

**Facilities Deficiency:**

$$FD = (1 - [AES / RS]) \times 400$$

AES = Existing Space adjusted for facility age and condition.

RS = Required Space.

# Priority Scoring

## Sample Calculation

### Criterion 1 – Facilities Deficiencies

#### 1. Calculate Age Factor (AF):

Weighted Age (AW) = 24 years

If AW<10 then AF=0

If AW>50 then AF = 0.5

Otherwise  $AF = [AW - 10] * 0.0125$

$AF = [24 - 10] * 0.0125$

**AF = 0.175**

# Priority Scoring

## Sample Calculation

### Criterion 1 – Facilities Deficiencies

#### 2. Calculate Building Condition Factor

CF=(FEDS Deficiencies)/(Replacement Cost/m<sup>2</sup>)/Area

$$\text{Replacement Cost/m}^2 = \$2,500 \times \text{FBE} = \$2,375$$

$$\text{CF} = \$2,700,000 / \$2,375 / 1618 \text{ m}^2$$

$$\text{CF} = 0.70$$

# Priority Scoring

## Sample Calculation

### Criterion 1 – Facilities Deficiencies

### 3. Calculate Space Adjustment Factor

$$SF = AF + CF = 0.18 \cdot 0.7 = 0.88$$

If SF => 1 then SF = 1

$$SF = 0.175 + 0.7$$

$$\mathbf{SF = 0.88}$$

# Priority Scoring Sample Calculation

## Criterion 1 – Facilities Deficiencies

### 4. Calculate Adjusted Existing Space

AES = Existing Area – (SF × Existing Area)

$$AES = 1618 - (0.88 \times 1618)$$

$$AES = 194.16$$

# Priority Scoring

## Sample Calculation

### Criterion 1 – Facilities Deficiencies

#### 5. Determine the Required Space

Using the Supportable Space Formula\*:

$$RS = 200 + (0.8 \times \text{user Population})$$

$$RS = 200 \times (0.8 \times 4330)$$

$$\mathbf{RS = 3664*}$$

\*Alternately the base HSP value may be used