

**Illinois**  
Department of  
**Corrections**

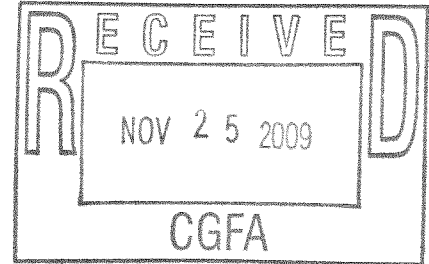
**Pat Quinn**  
Governor

**Michael P. Randle**  
Director

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November 25, 2009

The Honorable Jeffrey M. Schoenberg, Co-Chair  
The Honorable Richard P. Myers, Co-Chair  
Commission on Government Forecasting and Accountability  
703 Stratton Office Building  
Springfield, IL 62706



*1:57 pm*

Re: Illinois Department of Corrections  
Thomson Correctional Center

Gentlemen:

Enclosed, pursuant to the State Facilities Closure Act (30 ILCS 608), is the Department of Corrections' recommendation for closure of the Thomson Correctional Center. Submission of this letter and recommendation should not be construed as an indication that the federal government has reached any decision regarding purchasing Thomson and is not intended to have any influence on the same.

Should you have questions or comments concerning this matter, or require further information or documentation at this time, please do not hesitate to contact me. Thank you for your attention and consideration.

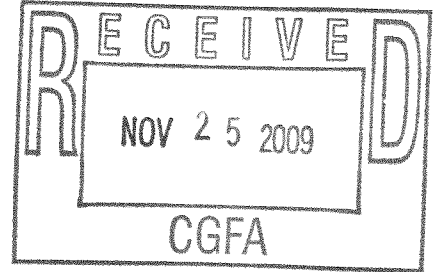
Very truly yours,

Michael P. Randle  
Director

Enclosure

**Thomson Correctional Center  
Closure**

Recommendation to the Commission on Government Forecasting and  
Accountability



*1:57 pm*



Submitted by:

Director Michael P. Randle

Illinois Department of Corrections

## Introduction

In accordance with the State Facilities Closure Act (the "Act"), 30 ILCS 608, the Illinois Department of Corrections (the "Department" or "IDOC") provides this recommendation for closure of the Thomson Correctional Center.

Thomson Correctional Center ("Thomson CC") is located within the Village of Thomson in Carroll County, near the Mississippi River in the northwest region of the State. Construction of the prison was completed on November 2, 2001. Thomson CC is comprised of two security locations: the primary 1,600-bed maximum-security facility and a 200-bed minimum-security unit (MSU). While there are 1,600 single-cells in the maximum-security location, the design allows for 3,200 beds, if needed. The maximum-security location has never been opened and the MSU only became operational on August 28, 2006.

There are two main reasons Thomson CC has been underutilized: First, the initial operating costs at the maximum-security location, if operated as a State facility, would be more than \$54 million in the first fiscal year and at least that much annually each fiscal year thereafter. The State of Illinois simply has not had the resources to open the maximum-security location, and especially does not now, as the State is facing an unprecedented budget crisis. Second, the demand for the beds in the maximum-security location has subsided as the prison population has not increased to the levels projected when planning for Thomson CC was initiated.

Planning for a new maximum-security correctional center in IDOC began during FY96. At the time, the State was in the midst of excessive prison population growth. The FY96 prison population forecast, conducted during FY95, estimated the number of inmates for November 2009 to be nearly 83,000. Based on those projected numbers, the Illinois General Assembly appropriated funds during FY96 to begin designing and siting a new maximum-security prison.

While the Thomson CC site was being selected and construction began, the prison population continued to grow, but it did not approach the rate that initially was predicted. At end-of-FY96, the prison population stood at 38,373 inmates and, within one year of the completion of construction, the prison population had reached 45,800 inmates (see Table 1). However, as construction was completed, the prison population began to decline and was 44,901 inmates on November 2, 2001. From January 2002 through end-of-FY08, the prison population fluctuated considerably, but never exceeded 45,800. During the first half of FY09, the prison population did exceed 45,800 inmates for sustained periods. Presently, the prison population has declined to the current figure of about 45,200 inmates, which is nearly 38,000 short of the projections when Thomson CC was being planned. Operational indicators, such as assaults on staff and inmates, also have been in steady decline in the Illinois prison system. Therefore, there is every reason to believe that the Department is managing its facilities safely, efficiently, and effectively, without fully opening Thomson CC.

Table 2 lists the end-of-month populations and average daily populations for the Thomson MSU since the facility was opened in August 2006. With the sale of Thomson, the Department now

will use available bed space at other facilities to house the current inmate population at the Thomson MSU (expected to be down to 160 by January 31, 2010). There is bed space available at the remaining male minimum-security correctional centers, adult transition centers, work camps, boot camps, and minimum-security units to compensate for the loss of 200 minimum-security beds at Thomson.

As detailed above, given that the maximum-security location at Thomson CC has not been opened since construction was completed eight years ago, and that the Department has no imminent or foreseeable plans to utilize that facility, because of the limited population growth, the State of Illinois is proposing to sell the Thomson CC to the federal government.

The federal government informs the State that, if it purchases the facility, it intends to operate Thomson CC as a federal maximum-security prison, with a limited number of detainees, currently located in Guantanamo Bay, being held in a completely separate portion of the facility, operated by the U.S. Department of Defense. During a time of great economic uncertainty and rising unemployment, this proposal is estimated to have a tremendous economic impact on Carroll County and the entire region. The White House Council of Economic Advisers has estimated that the operation of Thomson CC by the federal government could generate more than \$1 billion in economic activity during the first four years of operation and up to 3,880 ongoing, full-time jobs. Approximately 80% of all the jobs created by the facility will be held by people residing in Illinois. This will provide an unprecedented boon to the regional economy, as the prison has never been utilized at maximum capacity.

In accordance with the requirements of the State Facilities Closure Act (30 ILCS 608/5-10(a)), the Department is filing this recommendation for closure and is providing the following information required by the Act:

1. Location and identity of the facility
2. Number of employees affected, and the effect of the closure on those employees
3. Location to which affected employees and/or work functions would move
4. Availability and condition of land and facilities at both the current and proposed locations
5. Ability to accommodate functions and employees at both the current and proposed locations
6. Cost of operations at both the current and proposed locations, along with any other related budgetary impacts
7. Economic impact on surrounding communities at both the current and proposed locations
8. Ability of the current and proposed locations to provide the infrastructure to support functions and employees
9. Impact of service delivery to both the current and proposed locations
10. Environmental impact, including the impact of costs related to environmental restoration, waste management, and environmental compliance activities

Responses to the aforementioned items follow, below:

### **1. Location and identity of the facility**

Thomson Correctional Center  
1100 One Mile Road  
Thomson, Illinois 61285

### **2. Number of employees affected, and the effect of the closure on those employees**

The staffing level for Thomson was 78 employees on October 31, 2009. As part of the plan to terminate State operations at Thomson, all 78 staff would be affected. The Department intends to take every measure possible to minimize the impact of the closure on these 78 individuals. The Department is altering its plans to downsize the East Moline CC and to lay off staff at that location. The Department will no longer proceed with the layoff of these staff members and, in addition, will be in a position to offer up to 40 vacancies at East Moline CC to the staff impacted by the closure of the Thomson facility. In addition to the 40 vacancies to be offered at East Moline CC, the Department will offer the other 38 impacted staff members vacancies at the Dixon CC. East Moline CC is located 38 miles from Thomson and Dixon CC is located 39 miles from Thomson.

### **3. Location to which affected employees and/or work functions would move**

The Department currently maintains 28 correctional centers, with another 21 satellite and correctional facilities and numerous parole offices in operation. Given total staffing levels of nearly 11,000 employees, there are a number of positions that become available through attrition, retirement, transfer, resignation, and other mechanisms, on a regular basis. Further, the Department is focusing on specific institutions in need of staff, in order to dramatically reduce overtime costs.

As indicated above, the 78 impacted employees will be offered positions at the two closest correctional facilities to Thomson CC, East Moline and Dixon Correctional Centers. The inmate population will be moved to East Moline CC, which is a 1,078 bed, Level VI Minimum-Security facility, with an additional 164 Level VII Work Camp beds. The population at Thomson CC, as of November 17, 2009, was 186 inmates. Based on the projected release dates of these 186 inmates, 26 should be released between November 18, 2009 and January 31, 2010. Thus, at most, only 160 inmates would need to be transferred to East Moline.

#### **4. Availability and condition of land and facilities at both the current and proposed locations**

There are no known existing issues with the land surrounding Thomson CC. Thomson CC was built in November 2001. The maximum-security facility has never been utilized; only the 200-bed minimum-security unit, which opened in August 2006, has been in operation.

Given the fact that the Department is already in the process of downsizing the inmate population at East Moline CC, there are approximately 560 empty beds at that facility, which will easily accommodate the inmate population from Thomson CC.

#### **5. Ability to accommodate functions and employees at both the current and proposed locations**

As indicated in the introduction, due to the federal government's proposed plans to operate Thomson CC as a federal penitentiary, the State's operation of the Thomson CC would cease, and the facility would be fully-utilized by the federal government. The only portion of the Thomson CC that currently is being operated by the Department is the 200-bed minimum-security unit. The 1,600 bed maximum-security portion of the facility has remained unopened since the construction of the facility in 2001. The State of Illinois is considering the sale of the entire facility to the federal government.

Again, given the fact that the Department is already in the process of downsizing the inmate population at the East Moline CC, there are approximately 560 empty beds at this facility, which will easily accommodate the inmate population from Thomson CC. By offering 40 staff vacancies at East Moline CC and an additional 38 staff vacancies at Dixon CC, the Department can accommodate the existing Thomson CC staff within 40 miles of Thomson.

#### **6. Cost of operations at both the current and proposed locations, along with any other related budgetary impacts**

The current cost of operating the minimum-security unit at Thomson is approximately \$7.8 million annually. This facility currently employs 78 staff at an estimated annual cost of \$6.0 million. Since it is assumed that these staff members will accept vacancies at the East Moline and Dixon Correctional Centers, this cost will be shifted to those locations. A positive impact of shifting this number of staff to those locations will be a substantial reduction in overtime costs that should help offset a portion of the cost of the increased staff.

The maximum-security portion of Thomson CC has remained unused since construction because of the State's budget constraints. It would cost at least \$54.0 million per year to operate this institution fully as a State facility.

## **7. Economic impact on surrounding communities at both the current and proposed locations**

If the State of Illinois sells the Thomson CC to the federal government, the facility will finally become fully operational. This will provide a substantial economic boost not only to Carroll County but to the entire northwest region of the State of Illinois. In addition, based on the Department's plan to accommodate the existing Thomson CC inmate population and a portion of the staff at East Moline CC, the downsizing of this institution no longer will occur, and a positive economic impact would be expected for East Moline's local economy.

Attached is a technical memorandum from the White House Council of Economic Advisers, issued in November 2009, regarding the likely economic impacts on the local economy of a federal purchase and modification of Thomson CC and of its potential use as a federal correctional facility.

## **8. Ability of the current and proposed locations to provide the infrastructure to support functions and employees**

From a physical infrastructure standpoint, Thomson CC offers many benefits to the federal government. The facility was constructed to meet maximum-security specifications; it has a dual-sided electrical stun fence capable of carrying 7,000 volts; there are 312 security cameras on a fiber optic surveillance network with motion detection and remote monitoring capabilities; it houses 26 non-contact visiting rooms; and, there are armed outer and inner perimeter towers.

East Moline CC had an inmate population of 1,135 on June 30, 2009. Its current inmate population is 681. This facility has the infrastructure easily to accommodate the additional 160 inmates and 40 staff from Thomson.

## **9. Impact of service delivery to both the current and proposed locations**

The potential sale of the Thomson CC will benefit the State in numerous ways:

- It will allow the facility to be utilized to its full capacity, which will create significant economic opportunities for the Village of Thomson and for surrounding communities and counties, both in jobs and economic impact;
- The sale of this institution to the federal government will generate much needed revenue for the State of Illinois;
- The Department will no longer need to pursue the downsizing of East Moline CC;
  - The Department will move the Thomson minimum-security inmates to East Moline CC;
  - Proposed layoffs for East Moline CC staff no longer will be pursued;
- Each of the current 78 employees at Thomson will be offered positions at two nearby facilities: Dixon CC and East Moline CC.

**10. Environmental impact, including the impact of costs related to environmental restoration, waste management, and environmental compliance activities**

There are no known environmental impacts related to the sale of the Thomson CC or the plan to move the affected inmates to East Moline CC.



**ILLINOIS DEPARTMENT OF CORRECTIONS**  
**Thomson Correctional Center Facility Closure**

**Table 1: Adult Prison Population**  
*June 1996 - FY10 (through November 18, 2009)*

	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10*
June 1996	38,373													
July	38,321	40,538	42,346	44,359	44,846	45,598	43,101	43,351	44,439	44,838	45,436	45,278	45,649	45,685
August	38,400	40,500	42,488	44,433	45,022	45,153	42,989	43,235	44,446	44,914	45,661	45,064	45,537	45,863
September	38,624	40,686	42,788	44,634	45,437	44,978	42,979	43,361	44,487	45,163	45,605	45,256	45,706	45,168
October	38,886	40,832	43,139	44,982	45,686	44,919	43,195	43,647	44,714	45,483	45,714	45,528	46,085	45,224
November	38,885	40,710	43,166	44,889	45,622	44,684	42,738	43,518	44,403	45,125	45,484	45,459	45,825	45,215
December	38,852	40,788	43,051	44,660	45,281	44,348	42,693	43,418	44,054	44,919	45,106	45,215	45,474	
January	39,259	41,053	43,402	44,948	45,422	44,387	43,000	43,661	44,579	45,365	45,229	45,426	45,457	
February	39,564	41,134	43,376	44,825	45,356	43,304	42,989	43,726	44,337	45,279	44,980	45,260	45,341	
March	39,846	41,327	43,608	44,959	45,281	42,733	43,331	43,982	44,462	45,436	45,296	45,093	45,410	
April	40,046	41,395	43,764	44,910	45,369	42,528	43,261	43,925	44,539	45,404	45,392	45,077	45,275	
May	40,259	41,901	44,100	44,913	45,445	42,962	43,106	44,083	44,563	45,363	45,449	45,407	45,412	
June	40,425	42,140	44,355	44,819	45,629	43,142	43,186	44,379	44,669	45,440	45,565	45,548	45,545	

\*FY10 data through November 18, 2009

**ILLINOIS DEPARTMENT OF CORRECTIONS**  
**Thomson Correctional Center Facility Closure**  
**Table 2: Thomson Minimum Security Unit Population**  
*FY 2007 - FY 2010 (through November 18, 2009)*

	Fiscal Year 2007		Fiscal Year 2008		Fiscal Year 2009		Fiscal Year 2010*	
	End-of-Month	Average Daily	End-of-Month	Average Daily	End-of-Month	Average Daily	End-of-Month	Average Daily
July	0	0	173	175	137	142	187	174
August	18	19	167	175	131	134	197	193
September	25	22	157	162	137	132	198	192
October	98	53	154	154	161	132	191	194
November	126	108	140	147	158	161	187	191
December	119	122	135	137	143	149		
January	139	129	117	126	125	134		
February	134	135	119	119	103	113		
March	137	137	121	117	95	98		
April	144	142	134	127	192	123		
May	159	150	145	142	176	185		
June	174	171	144	150	170	166		
Fiscal Year-to-Date Average		116		144		139		189

\*FY10 data through November 18, 2009

EXECUTIVE OFFICE OF THE PRESIDENT  
COUNCIL OF ECONOMIC ADVISERS  
WASHINGTON, D.C.

This technical memo describes the likely economic impacts on the local economy of the purchase and modification of the state prison in Thomson, Illinois and its subsequent use by the Department of Defense (DoD) and the Bureau of Prisons (BoP) as a federal facility. This memo assumes that BoP occupies 75% of the facility and DoD occupies the remaining 25%. The primary estimates are:

1. The total increase in expenditures in the area over the first four years of operation through construction, operation costs, compensation, and visitors to the area is between \$0.9 billion and \$1.1 billion.
2. In the first year, the modification, opening, and running of the facility will generate between 2,290 and 2,960 jobs in the seven-county area. Local residents will be excellent candidates for 1,240 to 1,410 of these jobs. The other jobs will be filled by people relocating to the area. In this first year, total earnings will increase by between \$131 million and \$185 million.
3. In the second year, the operation of the facility will generate between 2,820 and 3,520 jobs in the seven-county area. By the third year, when the BoP facility is fully operational, the facility will generate between 3,170 and 3,870 jobs in the seven-county area. Local residents will be excellent candidates for 1,720 to 1,920 of these on-going jobs generated by the facility. By the third year, earnings will increase by between \$233 and \$289 million, relative to current levels.
4. The ongoing increase in employment reflects jobs created by yearly capital improvements (490-560 jobs), direct hires (1,900-2,400 jobs), jobs created by visitors to the area (280 jobs), and indirect jobs due to increased spending and economic activity (510-640 jobs by the fourth year). In addition, start-up costs that occur in both the first and second year as well as one-time construction costs generate a substantial number of year-long jobs (840-910 jobs).
5. Over the first four years, the 840 - 910 temporary jobs and the eventual 3,180 - 3,880 ongoing jobs generated by the facility are expected to increase local earnings by a cumulative \$793 to \$1,015 million.
6. Approximately 80% of all of the jobs created by the facility will be held by people residing in Illinois, while people in Iowa will fill the remaining jobs. These jobs could reduce the unemployment rate in Carroll County, Illinois, where Thomson is located, by 2 to 4 percentage points.

The remainder of the memo provides background and explains these estimates.

## **I. Background on the Local Economy**

**The local economy consists of seven counties.** First is Carroll County, where Thomson is located. Four other counties in Illinois with major population centers within a little over one hour drive from Thomson, Illinois are also included: Whiteside County, Jo Daviess County, Lee County, and Rock Island County. In particular, Rock Island has a relatively large population and a military installation, so spillover effects from the Thomson facility are expected. The local economy also includes Clinton County and Jackson County in Iowa, which have cities nearby.

**The economies of the Illinois counties are distressed.** The September 2009 unemployment rate for Carroll County was 10.5%. The comparable rates for Whiteside County, Lee County, and Rock Island County were 10.6%, 10.9%, and 9.5% respectively. The unemployment rate in Jo Daviess County was a more modest 8.1% in September, but this rate is up from 5.1% a year earlier. In addition, the fraction of adults in Carroll County that have a college degree is about one-half of the national rate, which poses a challenge in today's economy that increasingly requires higher education for good jobs.

**Nearby counties in Iowa appear to be less economically distressed.** For example, the September 2009 unemployment rates for nearby Iowa counties, Clinton County and Jackson County, were both 7.7%. Nonetheless, per capita income in these counties was under 85% of national per capita income in the latest data (average from 2006 to 2008).<sup>1</sup>

**Carroll County has capacity to absorb new economic activity.** In a population of roughly 16,000 people, the BLS estimates that 840 people are currently unemployed. In addition, there are 3 industrial buildings, 7 building sites, 5 retail buildings, 13 commercial buildings, and 2 other buildings for sale in Carroll County.<sup>2</sup> The county has at least 18 hotels, motels, and the like with at least 250 beds.<sup>3</sup>

**The other counties in Illinois and Clinton County and Jackson County in Iowa also have capacity to absorb new economic activity.** We estimate that nearly 17,000 people are currently unemployed in these six counties. As mentioned above, commuting times from the largest population centers in these counties to Thomson, Illinois range from 20 minutes to a little over one hour.<sup>4</sup> Thus, it is likely that people in these counties will be willing to work in Thomson and its environs. In addition, these six counties have at least 170 hotels, motels, and the like.<sup>5</sup>

## **II. Description of Facility**

**The opening of the facility will have a large and immediate direct effect on the local economy.** BoP expects to occupy 75% of the facility, and DoD will occupy the remaining 25%.

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<sup>1</sup> Unemployment estimates come from the Local Area Unemployment Statistics BLS survey. Education statistic is from the 2000 Census. Per capita income is from the 2006-2008 American Community Survey.

<sup>2</sup> Information from the Carroll County Economic Development Corporation website ([http://www.carrollcountyedc.org/index.php?module=cde&ff\\_op=view&MMN\\_position=26:26](http://www.carrollcountyedc.org/index.php?module=cde&ff_op=view&MMN_position=26:26)).

<sup>3</sup> Information from <http://www.gocarrollcounty.com/lodging.html>.

<sup>4</sup> We used Google Maps to estimate driving time.

<sup>5</sup> These estimates come from local tourism websites in the counties and conversations with county tourism offices.

In essence, DoD and BoP will operate two entirely separate facilities side by side. DoD expects to spend \$35 to \$40 million on capital improvements to open the facility; DoD expects to make a similar amount of capital improvements in subsequent years as well. BoP expects to spend \$15 million on construction to modify the prison and \$22 million on furnishings, equipment, and supplies. Both of these are one-time expenditures by BoP.<sup>6</sup> In addition, BoP expects to spend \$85,000 per employee who has to be relocated from another facility. Part of this \$85,000 is an allowance for housing and other living expenses given to relocating workers for a short period after moving. This part, which is spent locally, is included in this analysis as it creates local jobs.<sup>7</sup>

### **III. Estimating the Economic Impact**

#### *A. Assumptions*

The estimated economic impacts rely on several assumptions. For its portion of the facility, DoD provided the following assumptions:

1. DoD anticipates total staffing needs of between 1,000 and 1,500 employees. One-third of these employees will be government civilian employees or private contractors with annual salaries between \$80,000 and \$90,000. The other two-thirds of the employees will be military personnel, with salaries of \$65,000, which includes a housing allowance.
2. DoD expects that military personnel will not relocate their families during the facility's first year. As a result, spending by military personnel is expected to be 25% of typical employees' spending initially. After the facility is open one year, this percentage is expected to rise to 75%.
3. DoD expects few of its direct hires to come from the local communities.
4. DoD expects to make \$35 to \$40 million of capital improvements annually, matching the current annual expenditures on improvements at the facility in Guantanamo Bay.

For its portion of the facility, BoP provided the following assumptions:

1. BoP anticipates total staffing needs of 448 correctional officers and 448 medical personnel, food service workers, and other staff workers.<sup>8</sup>
2. BoP expects to hire 150 workers over the course of the first year (with 50 of these hires from the local community). The average workforce during the year will be about 70 workers. Over the course of the second year, BoP will hire the remaining 746 workers (with 398 of these hires from the local area). On average, BoP will directly employ 600 workers in the second year.

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<sup>6</sup> These and other estimates relating to the expenditures necessary to open and operate the facility come directly from DoD and BoP. The analysis of the economic impact presented in this memo relies directly on these estimates.

<sup>7</sup> In addition, BoP will spend \$3,500 on background checks for each employee, those relocating and those who are local. No part of these expenditures are reflected in this analysis, as this spending will not occur locally.

<sup>8</sup> Following a recent analysis, BoP plans call for its portion of the facility to be a higher-security prison with 2000 inmates.

3. Annual salaries will increase over time. Correctional officers will have an annual salary in the first year, including benefits, of \$82,000. This salary will rise to \$92,300 by the fourth year. Other staff will have an annual salary in the first year of \$93,000. This salary will rise to \$104,000 by the fourth year.<sup>9</sup>
4. In the first year, salaries will total nearly \$6 million, and by year 2, salary costs will rise to \$55 million as BoP ramps up its staffing. By year 3, salaries total \$85 million.

In total, BoP expects to hire 448 workers locally. This could be achieved by hiring about 2.5% of the estimated 17,700 unemployed people in the seven-county region.<sup>10</sup> In light of the high rates of unemployment, it may be possible to hire a greater fraction of the staff from local residents. Jobs indirectly created by the opening of the facility, described below, will be most likely filled by the local community.

We made the additional assumptions to compute the economic impact to the local communities:

1. We assume 40% of the economic impact will be concentrated in Carroll County, where Thomson is located. In light of the populations of the remaining six counties and their proximity to Thomson, 40% of the impact will occur in the other Illinois counties and the remaining 20% will occur in the two Iowa counties.
2. DoD expects that their portion of the facility will bring in roughly 200 outside visitors who will be present at any point in time. These visitors will be attorneys, diplomatic officials, law enforcement officials, delegates from the International Committee of the Red Cross, as well as journalists.<sup>11</sup> We use the Federal *per diem* rate to estimate that these visitors in the area on business will directly inject \$11 million annually into the local economy. These expenditures will largely be concentrated in lodging, food, and local transportation.
3. We assume no visitors to the BoP facility in the first year as BoP starts up operations and then 50 visitors in the second year. When the BoP facility is fully operational in the third year, 100 outside visitors will be present on any given day, on average.<sup>12</sup> These visitors will be family and others visiting the BoP prisoners as well as attorneys and journalists. We use 50% of the Federal *per diem* rate for these visitors and estimate that their expenditures will directly inject \$3 million annually into the local economy.
4. The portion of the BoP relocation allowance used for temporary living expenses for relocated workers is assumed to be spent at 100% of the Federal

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<sup>9</sup> In computing the economic impact of these rising salaries, we restrict ourselves to looking at the real increase, after accounting for inflation. We assume an inflation rate of 2% in each of the next four years. Other expenditures show no growth after accounting for inflation.

<sup>10</sup> Unemployment estimates come from the Local Area Unemployment Statistics BLS survey.

<sup>11</sup> Unlike BoP, DoD does not allow family or personal visits for its detainees. This has been the policy at Guantanamo Bay, and it will continue as the policy in the United States.

<sup>12</sup> This is somewhat higher than the number of people visiting an average U.S. penitentiary on an average day. However, the BoP portion of the facility is considerably larger than the average penitentiary, and our figure also includes people visiting the local area accompanying those visiting the facility.

*per diem* rate on housing, food, and transportation. The effects of these temporary payments are categorized as “start-up” effects for the purposes of Table 1 (on page 6).

### *B. Impact on Economy of Carroll County and Surrounding Area*

The opening of the prison will have a direct effect on the local economy as workers are hired to modify the facility and provide necessary supplies. As mentioned above, BoP will spend \$37 million on construction and initial supply costs. In addition, BoP estimates that annual operating costs will be \$24 million in the second year and \$37 million by year three. DoD estimates annual operating costs between \$40 and \$50 million. Construction activity will generate local jobs. In addition, some of the inputs purchased by BoP and DoD to start up and for ongoing operations will be produced by the local economy, creating local jobs.

Finally, a large share of the new salaries will go to purchase goods and services produced in the local area as employees spend part of their salaries in the local economy. For example, DoD personnel will use their salaries to consume locally-provided goods and services, such as housing, retail goods, and health care. This will provide additional income for landlords, shop keepers, and nurses and these people will, in turn, spend some of their additional income in the local community. Workers hired to complete construction work will also spend a portion of their salaries locally. These indirect waves of economic activity will amplify the direct impacts of the facility and help reduce unemployment in these counties.

**In sum, we estimate that the total increase in area expenditures resulting from the opening and running of the facility over the first four years of operation through construction expenditures, operation costs, salaries (including the portion of the relocation allowance spent locally), and visitors to the area will be between \$0.9 and \$1.1 billion.<sup>13</sup>**

To quantify the full effect of these expenditures on the local economy, we used the Regional Input-Output Modeling System (RIMS II) from the Bureau of Economic Analysis (BEA). This model has been in use since the 1980s and is designed to answer questions exactly like the one at hand. It quantifies the impact from spending in various economic sectors on local economic activity and employment.<sup>14</sup> Specifically, it produces multipliers that capture the direct and indirect effect of industry-specific spending on output and jobs.

There are several attractive features of the RIMS II model. It accounts for the regional distribution of inputs purchased and outputs sold in each affected industry and for the typical spending patterns of the new employees. A key additional feature of RIMS II is that it accounts for the degree of “earnings leakage” that results when individuals purchase goods that are produced outside the local economy or region.

At the same time, input-output models, of which RIMS II is an example, have some limitations. Input-output models are more appropriate for smaller fiscal changes, such as the one being considered here, than broadly-based fiscal expansion, such as estimating the impact of the

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<sup>13</sup> The figure takes into account the growth in salaries over time after adjusting for inflation.

<sup>14</sup> See <http://www.bea.gov/regional/rims/brfdesc.cfm> for a description of the model’s methodology and accuracy.

American Recovery and Reinvestment Act of 2009. In general, when used to estimate the effects of broadly-based fiscal expansion, input-output models yield substantially higher jobs estimates than more aggregated macroeconomic models. This difference may be explained by aggregated macroeconomic models accounting for partially offsetting declines to employment in other regions. However, the difference could also suggest that input-output models may tend to yield somewhat optimistic estimates. This difference is explored at this end of this memo.

**Table 1 reports that the seven-county area is expected to experience an estimated increase in employment of between 2,290 and 2,960 jobs in the first year as a result of the construction, start up, and running of the facility.** These figures capture the workers who are directly employed by the facility, as well the indirect employment effect brought about by the workers' earnings. Many of the 780 to 850 jobs resulting from the opening of the facility will be related to construction, and qualified local residents will be excellent candidates for these jobs, as construction contractors prefer to avoid the expense of bringing in outside workers. Outside of construction, the start-up jobs result from BoP's expenditures on furnishings, equipment, and supplies as well as the relocation allowance spent by relocating workers.

**Table 1: Effect of the Facility on Employment and Earnings**

	First Year					Second Year	Third Year	Fourth Year
	Construction/ Start-up	Direct Hires	Visitors	Indirect	Total	Total	Total	Total
<b>DoD</b>								
Employment	490-560	1000-1500	220	200-290	1910-2580	1960-2660	1960-2660	1960-2660
Earnings (millions)	\$19-\$22	\$70-\$110	\$5	\$19-\$30	\$112-\$166	\$117-\$173	\$117-\$173	\$117-\$173
<b>BoP</b>								
Employment	290	70	0	20	380	860	1210	1220
Earnings (millions)	\$11	\$6	\$0	\$2	\$19	\$76	\$116	\$119
<b>Total</b>								
Employment	780-850	1070-1570	220	220-310	2290-2960	2820-3520	3170-3870	3180-3880
Earnings (millions)	\$30-\$32	\$76-\$116	\$6	\$21-\$32	\$131-\$185	\$193-\$249	\$233-\$289	\$236-\$292

*Notes: Estimates based on the RIMS II Model, CEA calculations, and information described in the text. Numbers may not sum due to rounding.*

The remaining employment reflects 1,070 to 1,570 direct hires, 220 jobs created by those traveling on business to the DoD portion of the facility, and between 220 and 310 indirect jobs due to increased spending by the direct hires in the area. Overall, current local residents will be excellent candidates for 1,240 to 1,410 of these jobs. Altogether, these jobs will produce a total of between \$131 million and \$185 million in local earnings in the first year.

The second panel of the table reports that in the second year, the facility will generate an estimated total of between 2,820 and 3,520 jobs. As in the first year, most of these jobs come from the DoD facility, which is expected to ramp up operations more quickly than BoP. While not reported in this table, the breakdown of jobs generated by the DoD facility in the second year and thereafter is very similar to the first year. The small increase in the number of jobs in year two is due to the assumption that this is when military personnel are expected to relocate their families and begin spending a greater fraction of their salaries locally.

In the second year, the BoP facility is expected to generate 860 jobs. Of these, 600 are direct hires, 30 are generated by the expected visitors to the area, and the remaining 230 are generated by the relocated direct hires spending their relocation allowance (60 jobs) and all of the direct hires spending a portion of their salaries locally (170 jobs). BoP expects that all of their construction will be completed in the first year.



In the third year, the facility is expected to generate 3,170 to 3,870 jobs. Again, the DoD facility generates 1,960 to 2,660 of these jobs. The jobs generated by the BoP facility rises to 1,210 as the facility is fully staffed, the number of visitors to the area increases to its ongoing level of 100, and the salaries of the direct hires increase. In the fourth year, the facility is expected to generate 3,180 to 3,890 jobs. This figure is slightly higher than in the previous year as the BoP direct hires receive real salary increases and their local spending rises. Altogether, these jobs will produce a total of between \$236 million and \$292 million in local earnings.

Within four years, these jobs generated by the facility will produce a cumulative total of between \$793 million and \$1,015 million in local earnings.

Table 2 estimates the ongoing employment gains by the employees' state of residence, using the employment effects estimated for the fourth year of operation of the facility. The ongoing operation of the prison is estimated to generate about 2,820 jobs that will be filled by people residing in Illinois. Of these, 1,410 jobs are projected to be filled by people residing in Carroll County.

**Table 2: Effect of the Facility on Employment in Illinois and Iowa in Year 4**

	Capital Improvements	Direct Hires	Visitors	Indirect	Total	Decline in Unemployment Rate
Carroll County	210	860	110	230	1410	4 percentage points
Other Illinois Counties	210	860	110	230	1410	1 percentage point
Iowa Counties	100	430	60	120	700	1 percentage point

Note: Estimates based on the RIMS II Model, CEA calculations, and information in the text. Estimates use mid-points of ranges. Numbers may not sum due to rounding. Note that "decline in unemployment rate" calculations do not account for the possibility of increases to the labor force due to spousal relocation.

Importantly, labor force participation is 63% in Carroll County, according to the most recent data from the 2000 Census. This level is considerably lower than the average labor force participation rate in Illinois, which was 67% according to the most recent data.<sup>15</sup> We assume that the creation of new jobs in the area will pull the labor force participation rate up to the national average, as the returns to work will increase. This effect is largest in Carroll County, but we also assume that labor force participation rates will rise modestly in Whiteside County and Rock Island County. After accounting for this increase in the workforce, the increase in employment in Carroll County is expected to lower the unemployment rate by 4 percentage points within four years. If people move into the area as a result of the facility opening, the unemployment will not fall by as much. For example, if one-quarter of the relocating direct hires move with spouses who join the labor force, the unemployment rate in Carroll County will fall by 2 percentage points. In any case, these new jobs translate into a substantial increase in local earnings.

In addition, the facility is estimated to generate about 1,410 jobs filled by people residing in the other counties in Illinois: Whiteside, Jo Daviess, Lee, and Rock Island. Adding these jobs would reduce the unemployment rate by 1 percentage point. The expected change in the unemployment rate is larger in Whiteside, Jo Daviess, and Lee County, which are smaller than Rock Island County. Further, people residing in Clinton and Jackson counties in Iowa are projected to fill 700 jobs together, implying a decline in the unemployment rate by 1 percentage point.

<sup>15</sup> Data from the 2006-2008 American Community Survey.

Over the longer term, the increased employment opportunities may attract new migrants to the local economy. These new residents would increase the size of the labor force and put upward pressure on the unemployment rate. Thus, unemployment rate predictions are most relevant for the medium term. Regardless, the opening of the facility will lead to a substantial increase in local employment, earnings, and likely in property values as new residents purchase homes.

#### **IV. Alternative Methods of Estimating the Economic Impact of Prisons**

**Event Studies.** One alternative approach to estimating the impacts of the prison opening is to turn to the previous literature on prison openings. Unfortunately, this literature is incomplete and controversial. Beale (1996) estimates that new non-metro prisons employed approximately 275 workers per institution, with the workers “typically drawn from surrounding counties as well as from the host county.”<sup>16</sup> The facility discussed in this memo will directly employ many more workers than the average prison considered by Beale. In the first year, we expect that 1,900 to 2,400 individuals will be directly hired to work at the Thomson facility, more than three times as many as the average facility considered by Beale. In addition, Beale does not measure indirect effects on employment from increased spending in the area. Other evidence suggests that the opening of prisons is associated with a growth in public sector employment.<sup>17</sup>

The empirical literature that looks at overall effects from prison openings is complicated by the fact that prison placement is not random; differences in outcomes between places where prisons open and places where prisons do not open could reflect underlying differences between the two communities, rather than the direct effect of prisons themselves. A number of papers use statistical methods to control for pre-existing differences between communities in local employment, poverty, and housing values.<sup>18</sup> These studies provide some suggestive evidence that prison openings may decrease poverty for economically distressed communities.

While there are few numerical estimates from these studies, they confirm the essential point that prison openings tend to raise employment and prosperity in the local community.

**CEA ARRA Methodology.** Another way to check the plausibility of the estimates derived from the BEA’s RIMS II model is to apply the more macroeconomic approach the CEA used for estimating the impact of the ARRA. Based on estimates from a range of respected macroeconomic forecasting models, the CEA estimated that the cost per job created by direct government investment spending was approximately \$92,000 per year.

As discussed above, over the first four years of operation, the prison project is estimated to involve expenditures (including construction, operation costs, compensation, and visitors) of between \$0.9 and \$1.1 billion. Applying the simple rule of \$92,000 per job-year, this level of

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<sup>16</sup> Beale, Calvin. “Rural Prisons: An Update,” *Rural Development Perspectives*, 1996, 11(2): 25-27.

<sup>17</sup> Besser, Terry and M. Hanson. “The Development of Last Resort: The Impact of New State Prisons on Small Town Economies,” [http://www.realcostofprisons.org/materials/TTT\\_paper1.pdf](http://www.realcostofprisons.org/materials/TTT_paper1.pdf).

<sup>18</sup> Beale, Calvin. “Rural Prisons: An Update,” *Rural Development Perspectives*, 1996, 11(2): 25-27. Farrigan, Tracey and A. Glasmeier. “The Economic Impacts of the Prison Development Boom on Persistently Poor Rural Places.” [http://www.povertyinamerica.psu.edu/products/publications/prison\\_development/prison\\_development.pdf](http://www.povertyinamerica.psu.edu/products/publications/prison_development/prison_development.pdf). King, Ryan and M. Mauer, and T. Huling “Big Prisons, Small Towns: Prison Economics in Rural America,” *The Sentencing Project*, 2003.

expenditure suggests total job creation over the four year period of 9,730 to 12,120 job-years. Since this estimate covers a four-year period, it suggests average jobs per year of between 2,430 and 3,030. The comparable estimates based on the RIMS II model are average jobs per year of between 2,860 and 3,550. In the fourth year, expenditures associated with the operation of the facility total a high of \$297 million, at the high end of the range. Using the same rule of thumb that it takes \$92,000 to create a job for one year, this suggests an estimated effect on employment of 3,228 in a typical year, somewhat below the RIMS II employment estimate of 3,880.

Overall, the estimates of the two methodologies yield broadly similar employment estimates and the similarity provides support for the credibility of the estimates in Table 1.