

Chapter : 2003 Jordan Atomic Energy Commission

- Creation:** Jordan Atomic Energy Commission was established early in 2008 as a successor for Jordan Nuclear Energy Commission in order to transport, enhance and develop peaceful uses for nuclear energy.
- Vision :** Transforming Jordan from an importer country of energy into an exporter country of electric energy by 2030 and peaceful and safe usage of nuclear energy within the best international practices and the most safe for community and environment.
- Mission:** Contribute to social and economic development through the usage of nuclear reactors in electricity generation and water desalination and any other peaceful purposes and transforming from direct dependence on fossil fuel sources to alternative energy sources.
- Legal Framework :** Atomic Energy Law No.(42) for 2007 and amendments thereto.

Tasks of the Ministry / Department:

- _ Implement the vision and integrated strategy for the Jordanian nuclear program for peaceful purposes.
- _ Build and develop the required human staffs and capacities to implement the Jordanian nuclear program
- _ Enhance cooperation with IAEA and similar institutions and with friendly and expertise countries in the field of atomic energy and radiation technology

Ministry/Department Contribution to the Achievement of the National Objectives:

- _ Develop and upgrade the institutional capacities of the Commission.
- _ Transport, settle and develop nuclear energy and radiation technology in the kingdom and expand and sustain their usage
- _ Establish investment projects to serve the national economy in the field of nuclear energy and radiation technology and using them for electricity generation, water desalination and other applications
- _ Promote the position of Jordan in terms of science and transform Jordan into a regional center in the field of nuclear research and applications.
- _ Establish nuclear reactors and use the Jordanian Uranium to provide energy alternatives and water desalination
- _ Use and invest the natural nuclear investments existing in Jordan such as Uranium and thorium, and other natural minerals like unique elements
- _ Transform Jordan into a regional center for producing medical radioisotopes and train the competent scientific staffs

Major Issues and Challenges which face the Ministry / Department:

- _ Lack of sufficient financial resources necessary for implementing the Jordanian nuclear program.
- _ Lack of national human competences with critical specializations necessary for program implementation which will lead to using foreign competences with high costs.
- _ Not dealing substantially with the Jordanian nuclear program by some, and distorting realities and benefits of the program and portraying it as a major economic and social problem.

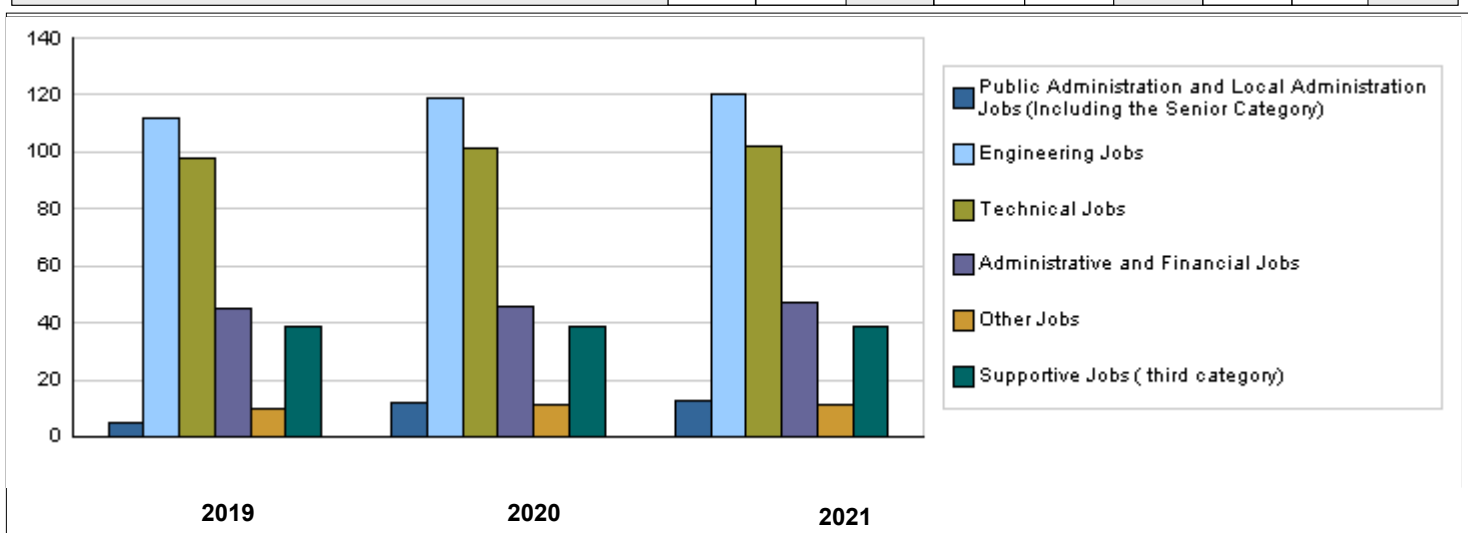
CHAPTER : 2003 Jordan Atomic Energy Commission

Strategic Objectives and Performance Indicators of the Ministry / Department

Strategic Objective	Performance Indicator	Base year	Value	Actual Value	Target Value	Preliminary Self Evaluation	Target Value		
				2019	2020	2020	2021	2022	2023
1 - To develop and upgrade the institutional capacities of the Commission	1 Percentage of Commission's stakeholders satisfaction	2016	%93	96%	97%	97%	98%	99%	99%
	2 Number of specialists and qualified technicians working on the Jordanian Nuclear program projects	2016	170	306	320	320	325	330	335
2 - To transfer, localize, develop and sustain the nuclear energy and radiology technology	1 Number of signed nuclear cooperation agreements with interested countries	2016	3	8	8	8	9	10	11
	2 Number of national and regional projects implemented with The International Atomic Energy Agency (IAEA) and Arab Atomic Energy Agency (AAEA)	2016	14	20	22	22	24	26	28
3 - To establish investment projects to serve the national economy in the field of radiology technology and nuclear energy and to use them in generating electric power and water desalination in addition to other fields	1 Percentage of Uranium to total number of explored sites	2016	10%	60%	63%	63%	65%	67%	69%
	2 Kinds of medical radioisotopes produced using the Jordanian nuclear reactor for research and training	2016	-	3	4	4	5	6	7

Number of Staff of the Ministry / Department

Group	Job	2019			2020			Preliminary 2021		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Public Administration and Local Administration Jobs (Including the Senior Category)	Supervisory and Leadership Jobs	5	0	5	9	3	12	10	3	13
Engineering Jobs	Engineer	88	24	112	94	25	119	95	25	120
Technical Jobs	Technical Jobs	78	20	98	80	21	101	81	21	102
Administrative and Financial Jobs	Financial Administration Jobs	27	18	45	28	18	46	29	18	47
Other Jobs		7	3	10	8	3	11	8	3	11
Supportive Jobs (third category)	Support Employee (Driver, Office Boy)	37	2	39	37	2	39	37	2	39
Total		242	67	309	256	72	328	260	72	332
Total Cost of Salaries		2425170	671432	3096602	3016585	848415	3865000	3159940	875060	4035000



Key Information of the Ministry / Department						
No.	Description	2017	2018	2019	2020	2021
1	Number of companies/ institutions specialized in nuclear and radiology technology and energy dealing with the Commission	4	4	3	3	3
2	Number of companies/institutions benefiting from radiant wastes storage and transport services provided by the Commission	14	18	22	24	26
3	Number of companies benefiting from gamma ray sterilization provided by the Commission	29	30	30	31	31
4	Number of Jordanian universities benefiting from the technical facilities of the Commission including scientific research	10	10	12	13	13
5	Number of institutions / companies benefiting from lab testing to discover radiology pollutants and measurements services and radiology calibration in the Commission and measure personal radiology dos	116	121	122	124	126
6	Number of institutions/ hospitals / medical centers using medical radioisotopes produced by the Jordanian nuclear reactor for training and research	0	0	12	12	12

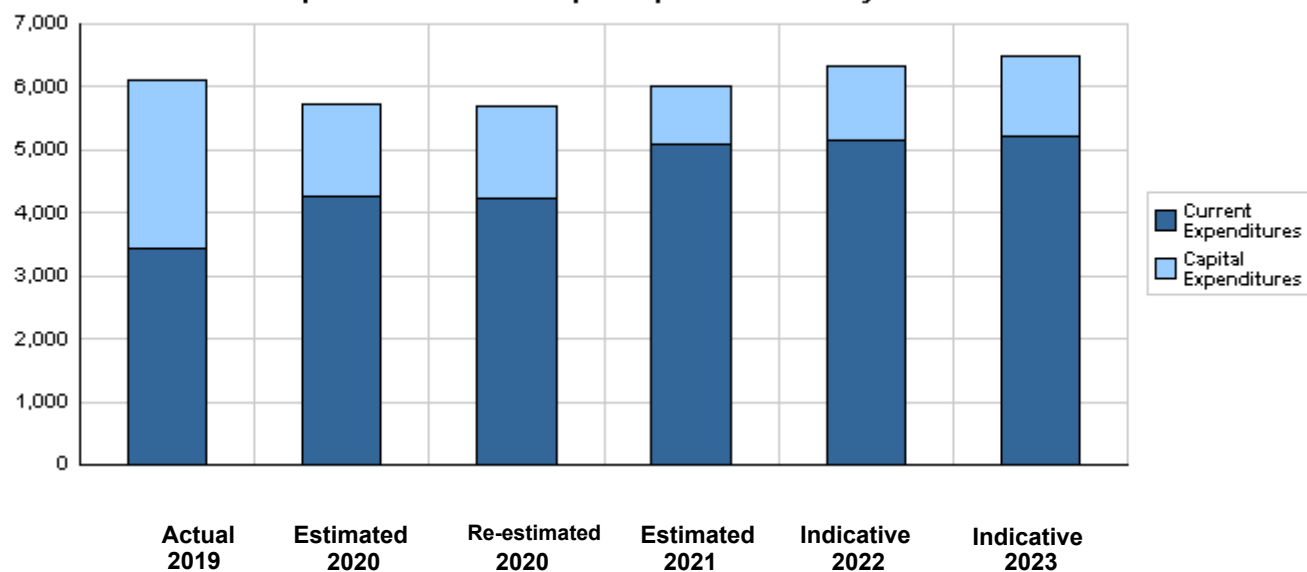
**Overall Summary of Expenditures for Chapter 2003- Jordan Atomic Energy Commission
for the Years 2019 - 2023**

(In JDs)

Description		Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022 2023	
Group	Current Expenditures						
2111	Salaries, Wages and Allowances	2,766,455	3,435,000	3,435,000	3,575,000	3,617,000	3,660,000
2121	Social Security Contributions	330,147	430,000	430,000	460,000	467,000	474,000
2211	Use of Goods and Services	281,611	305,000	263,000	730,000	820,000	830,000
2821	Other Current Expenditures	53,439	93,000	93,000	335,000	250,000	250,000
Total current expenditures		3,431,652	4,263,000	4,221,000	5,100,000	5,154,000	5,214,000
Capital Expenditures							
2211	Use of Goods and Services	1,094,234	425,500	425,000	70,000	120,000	120,000
2511	Subsidies to Public Corporations	378,039	385,000	385,000	479,000	579,000	579,000
2822	Other Capital Expenditures	411,480	228,000	228,000	0	0	0
3111	Buildings and Constructions	536,971	315,000	315,000	0	0	0
3112	Devices, Machinery and Equipment	90,909	37,500	37,500	164,000	295,000	395,000
3122	Inventories	165,243	71,500	71,500	200,000	170,000	170,000
Total capital expenditures		2,676,876	1,462,500	1,462,000	913,000	1,164,000	1,264,000
Treasury		2,676,876	1,462,500	1,462,000	913,000	1,164,000	1,264,000
Total current and capital expenditures		6,108,528	5,725,500	5,683,000	6,013,000	6,318,000	6,478,000

(Thousands of JDs)

Graph of the current and capital expenditures for the years 2019 - 2023

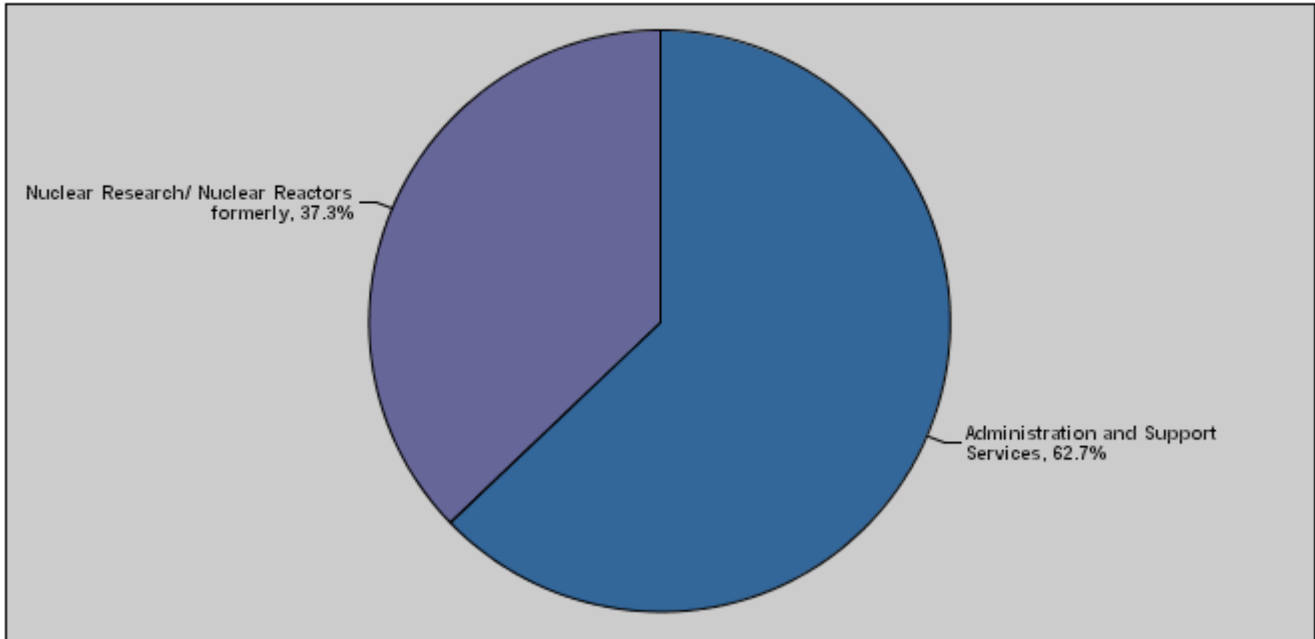


**Budget of Chapter 2003 - Jordan Atomic Energy Commission
For the Year 2021 Distributed According to Program**

(In JDs)

Prog.	Description	Current Expenditures	Capital Expenditures	Total Expenditures
6181	Administration and Support Services	3,130,000	643,000	3,773,000
6184	Nuclear Research/ Nuclear Reactors formerly	1,970,000	270,000	2,240,000
	Total	5,100,000	913,000	6,013,000

Total Expenditures for the Year 2021 Distributed According to Programs



Estimated Allocations for Females distributed according to Programs for the Years 2019 - 2023

Program	2019	2020	2021	2022	2023
6181 Administration and Support Services	659750	647500	680575	674625	679525
6184 Nuclear Research/ Nuclear Reactors formerly	737100	638505	726075	775845	817428
Total	1396850	1286005	1406650	1450470	1496953

6181	Administration and Support Services Program
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Objective of the program :

- 1- Transfer, indigenize, develop and sustain the uses of nuclear energy and radiation technology.
- 2- Establish investment enterprise to serve the national economy in the field of radiation technology and nuclear energy.
- 3- Use the nuclear reactors of different capacities for electrical power generation and water desalination.
- 4-Explore and mine Uranium and rare land minerals and produce the Uranium Concentrate (yellowcake) to enhance the local energy sources.
- 5- Provide work environment and logistic services for units and directorates.
- 6- Develop the capacities of the Commission's directorates and units.
- 7- Improve the management of programs and projects implemented by the Commission.

The strategic objective related to the program :

- 1- To develop and upgrade the institutional capacities of the Commission.
- 2- To transfer, localize, develop and sustain the nuclear energy and radiology technology

Directorates associated with the program :

- 1-Technical Services Directorates:
 - Research and Information Labs Directorate
 - Uranium Labs Directorate
 - Gama Radiology Directorate
 - Radiation and Emergency Protection Directorate
 - Ionizing Radiation Directorate
 - Quality Assurance Directorate
 - Physical and Chemical Analysis Directorate
 - Transport and Radioactive Waste Management Directorate
 - Nuclear Projects Development Directorate
 - Advanced Energy Systems Directorate
 - International Cooperation Directorate.
- 2- Administrative and Financial Services Directorates:
 - Information Technology and Security Directorate
 - Human Resources Directorate
 - Financial Affairs Directorate
 - Administrative Affairs Directorate
 - Audit and Internal Control Unit
 - Institutional Development Unit
 - Office of the Chairman and bureau

Services provided by the program :

- Providing laboratory checkups and tests that serve the uranium exploration and extraction project
- Providing checkup and testing service for consumer and food samples to determine their content of radioactive and harmful substances in public health
- Providing sterilization services for medical supplies
- Providing quality assurance services for the various projects and work of the commission in line with international standards and foundations
- Coordination and cooperation with international organizations related to the commission's work and following up the implementation of national and regional projects for nuclear applications with international organizations
- Follow up agreements and memorandum of understanding on the international level and on the scope of bilateral cooperation
- Follow up students sent by the authority with international universities
- Treatment, transportation, storage and protection of radioactive waste at the Kingdom level and protection
- Participate in the nuclear and radiological emergency team at the Kingdom level and provide aid and field assistance
- Achieve the security of existing or transferred nuclear and radiological materials, the security of electronic digital documents and information, and protect the computer networks of the commission and its various facilities
- Auditing transactions, agreements, administrative and financial decisions to ensure their consistency with the legislation
- Provide training opportunities for specialists and technicians to operate and sustain nuclear reactors and different scientific facilities.
- Implement the Commission's decisions and recommendations of financial and administrative impact.
- Prepare the Commission's annual budget draft.

Staff working in the program :

The program is implemented through a functional staff in 2020 estimated with (223) staff, including (184) males and (39) females .

Key Performance Indicators for Program

Performance Measurement Indicator	Base Year	Value	Actual value	Target Value	Preliminary Self Evaluation	Target Value			
			2019	2020		2020	2021	2022	2023
			1	Satisfaction Percentage of the Commission's stakeholders	2016	93%	96%	97%	%96
2	Number of nuclear cooperation agreements signed with specialized countries	2016	3	8	8	8	8	9	10
3	Number of specialized qualification courses in commission's area of work	2016	45%	70%	80%	80%	85%	90%	95%
4	Number of national and regional projects implemented by the IAEA and AAEA	2016	14	20	22	22	24	26	28
5	Percentage of Uranium presence to total number of explored sites	2016	10%	60%	63%	63%	65%	67%	69%

Budget Chapter 2003 - Jordan Atomic Energy Commission Distributed According to the Program

6181 Administration and Support Services Program		Appropriations Of Administration and Support Services Program as Per Activities and Projects. (In JDs)					
Activities and Projects		Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022 2023	
Current Expenditures		2,379,295	2,918,000	2,876,000	3,130,000	3,091,000	3,119,000
601	Administrative and Support Services	2,379,295	2,918,000	2,876,000	3,130,000	3,091,000	3,119,000
Capital Expenditures		1,389,863	781,000	781,000	643,000	764,000	764,000
001	Administration and Support Services Program Administration Project	1,011,824	396,000	396,000	164,000	185,000	185,000
002	Supporting energy projects	378,039	385,000	385,000	479,000	579,000	579,000
Program / Treasury		1,389,863	781,000	781,000	643,000	764,000	764,000
Total Program		3,769,158	3,699,000	3,657,000	3,773,000	3,855,000	3,883,000

Budget Chapter 2003 - Jordan Atomic Energy Commission Distributed According to the Program

6184	Nuclear Research/ Nuclear Reactors formerly Program
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Objective of the program :

Establish Jordanian center for nuclear research using a (5) MWe, nuclear reactor which can be increased to (10) MWe, and to put under the disposal of researchers from Jordanian institutes and universities, produce radioisotope especially those used in the nuclear medicine, establish neutron activation analysis labs and train nuclear engineering and other sciences students.

The strategic objective related to the program :

To establish investment projects to serve the national economy in the field of radiology technology and nuclear energy and to use them in generating electric power and water desalination in addition to other fields.

Directorates associated with the program :

- Nuclear Safety, Security and Guarantees Directorate
- Establishment Operations Directorate
- Technical Support and Supportive Services Directorate
- Nuclear Safety and Licenses Directorate
- Reactor Operation Directorate
- Establishment Maintenance Directorate
- Administrative Services Unit
- Quality Control Unit
- Scientific Research Unit

Services provided by the program :

- Education and training to support nuclear engineering programs and nuclear reactors operation.
- Analysis using Neutron activation technique.
- Produce radioisotopes, of the most important those used in nuclear medicine as Iodine, Molybdenum and Iridium and produce industrial radioisotopes in the following phases.
- Neutron rays applications including non-destructive testing, neutron distraction and neutron defraction.
- Neutron transformation doping.
- Radioactive wastes treatment resulting from using reactor as per international standards and foundations.
- Potential usage as a regional research and training center in cooperation and coordination of the IAEA.

Staff working in the program :

The program is implemented through a functional staff in 2020 estimated with (105) staff, including (72) males and (33) females .

Key Performance Indicators for Program

Performance Measurement Indicator	Base Year	Value	Actual value	Target Value	Preliminary Self Evaluation	Target Value		
			2019	2020		2020	2021	2022
1 Number of medical radioisotopes produced by the Jordanian Nuclear Reactor for Research and Training	2016	-	3	4	4	5	6	7
2 Number of nuclear engineers and qualified sciences students	2016	20	30	31	31	32	33	34
3 Number of research and studies using the reactor	2016	3	8	9	9	10	11	12

Appropriations Of Nuclear Research/ Nuclear Reactors formerly Program as Per Activities and Projects.

(In JDs)

Activities and Projects	Actual	Estimated	Re-estimated	Estimated	Indicative	
	2019	2020	2020	2021	2022	2023
Current Expenditures	1,052,357	1,345,000	1,345,000	1,970,000	2,063,000	2,095,000
601 Nuclear researches	1,052,357	1,345,000	1,345,000	1,970,000	2,063,000	2,095,000
Capital Expenditures	1,287,013	681,500	681,000	270,000	400,000	500,000
003 Establishing and operating the research nuclear reactor	1,287,013	681,500	681,000	270,000	400,000	500,000
Program / Treasury	1,287,013	681,500	681,000	270,000	400,000	500,000
Total Program	2,339,370	2,026,500	2,026,000	2,240,000	2,463,000	2,595,000

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Current Activities Appropriations According to Program								
Prog.	Activites		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2019	2020	2020	2021	2022	2023
6181	601	Administrative and Support Services	2379295	2918000	2876000	3130000	3091000	3119000
		Total of Program	2379295	2918000	2876000	3130000	3091000	3119000
6184	601	Nuclear researches	1052357	1345000	1345000	1970000	2063000	2095000
		Total of Program	1052357	1345000	1345000	1970000	2063000	2095000
		Total	3431652	4263000	4221000	5100000	5154000	5214000

Capital Projects Appropriations According to Program								
Prog.	Projects		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2019	2020	2020	2021	2022	2023
6181	001	Administration and Support Services Program Administration Project	1011824	396000	396000	164000	185000	185000
	002	Supporting energy projects	378039	385000	385000	479000	579000	579000
		Total of Program	1389863	781000	781000	643000	764000	764000
6184	003	Establishing and operating the research nuclear reactor	1287013	681500	681000	270000	400000	500000
		Total of Program	1287013	681500	681000	270000	400000	500000
		Total	2676876	1462500	1462000	913000	1164000	1264000

Overall Summary of Current Expenditures for the Years 2019 - 2023

Chapter: 2003 Jordan Atomic Energy Commission

(In JDs)

Group	Item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	286755	292000	292000	282000	288000	293000
	103	Comprehensive Contract Employees	559992	509000	509000	500000	510000	519000
	105	Personal Cost of Living Allowance	365000	391000	391000	400000	403000	406000
	106	Family Cost of Living Allowance	34759	44000	44000	45000	47000	49000
	111	Additional Allowance	791506	828000	828000	865000	878000	892000
	112	Other Allowances	298957	274000	274000	274000	276000	278000
	113	Transportation Allowance	70075	78000	78000	79000	80000	81000
	114	Transport Allowance	29499	32000	32000	34000	35000	36000
	116	Employees' Bonuses	0	650000	650000	750000	750000	750000
	120	Contract Employees	329912	337000	337000	346000	350000	356000
Total			2766455	3435000	3435000	3575000	3617000	3660000
2121		Social Security Contributions						
	301	Social Security	330147	430000	430000	460000	467000	474000
Total			330147	430000	430000	460000	467000	474000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	201	Rents	12000	25000	10000	10000	10000	10000
	202	Telecommunications Services	19859	20000	20000	20000	20000	20000
	203	Water	29879	10000	10000	35000	35000	35000
	204	Electricity	24999	12000	12000	305000	380000	390000
	205	Fuels	31296	45000	45000	60000	65000	65000
	206	Maintenance of Machines, furniture and accessories	0	3000	2500	3000	3000	3000
	207	Maintenance of vehicles, equipment and accessories	9999	15000	15000	12000	12000	12000
	208	Repair and maintenance of buildings and accessories	10971	10000	8500	11000	11000	11000
	209	Stationery, Publications and Office Supplies	9920	15000	12500	15000	15000	15000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	5997	10000	8000	9000	9000	9000
	211	Cleaning services and supplies including cleaning contracts	51547	45000	45000	75000	75000	75000
	212	Insurance	12000	15000	11000	40000	40000	40000
	213	Official Travel Missions	29720	30000	14000	10000	15000	15000
	214	Goods and services expenses	33424	50000	49500	125000	130000	130000
Total			281611	305000	263000	730000	820000	830000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	48769	88000	88000	124000	124000	124000
	303	Scientific scholarships and training courses	0	0	0	142000	57000	57000
	305	Non-Employees' Bonuses	4670	5000	5000	69000	69000	69000
Total			53439	93000	93000	335000	250000	250000
Total of Chapter			3431652	4263000	4221000	5100000	5154000	5214000

Program : 6181 - Administration and Support Services								
Activity : 601 - Administrative and Support Services								
Group	Item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	247140	222000	222000	211000	216000	220000
	103	Comprehensive Contract Employees	434675	417000	417000	410000	418000	425000
	105	Personal Cost of Living Allowance	243000	258000	258000	260000	261000	262000
	106	Family Cost of Living Allowance	24919	31000	31000	31000	32000	33000
	111	Additional Allowance	442000	485000	485000	504000	511000	517000
	112	Other Allowances	267592	240000	240000	240000	241000	242000
	113	Transportation Allowance	50960	53000	53000	53000	54000	55000
	114	Transport Allowance	23959	24000	24000	25000	25000	25000
	116	Employees' Bonuses	0	400000	400000	450000	450000	450000
	120	Contract Employees	80000	90000	90000	95000	97000	99000
		Total	1814245	2220000	2220000	2279000	2305000	2328000
2121		Social Security Contributions						
	301	Social Security	230000	300000	300000	312000	317000	322000
		Total	230000	300000	300000	312000	317000	322000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	201	Rents	12000	25000	10000	10000	10000	10000
	202	Telecommunications Services	19859	20000	20000	14000	14000	14000
	203	Water	29879	10000	10000	15000	15000	15000
	204	Electricity	24999	12000	12000	5000	5000	5000
	205	Fuels	31296	45000	45000	60000	65000	65000
	001	Heating	0	5000	5000	10000	10000	10000
	002	Saloon vehicles	16357	25000	25000	30000	35000	35000
	003	Transport vehicles and heavy equipment	14939	15000	15000	20000	20000	20000
	206	Maintenance of Machines, furniture and accessories	0	3000	2500	2000	2000	2000
	207	Maintenance of vehicles, equipment and accessories	9999	15000	15000	12000	12000	12000
	208	Repair and maintenance of buildings and accessories	10971	10000	8500	7000	7000	7000
	209	Stationery, Publications and Office Supplies	9920	15000	12500	10000	10000	10000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	5997	10000	8000	5000	5000	5000
	211	Cleaning services and supplies including cleaning contracts	51547	45000	45000	32000	32000	32000
	212	Insurance	12000	15000	11000	7000	7000	7000
	213	Official Travel Missions	29720	30000	14000	5000	10000	10000
	214	Goods and services expenses	33424	50000	49500	70000	75000	75000
	001	Events and hospitality	0	0	0	5000	5000	5000
	008	Advertisements and subscriptions	6993	1000	1000	1000	1000	1000
	013	Services, security and guarding contracts	20995	47000	46500	49000	49000	49000
	014	Shipment and clearance fees	5436	2000	2000	5000	5000	5000
	084	Fees and licenses	0	0	0	10000	15000	15000
		Total	281611	305000	263000	254000	269000	269000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	48769	88000	88000	116000	116000	116000
	014	Saving Fund contribution	28627	35000	35000	27000	27000	27000
	018	International Agency for Atomic Energy and Arab Commission	20142	53000	53000	89000	89000	89000
	303	Scientific scholarships and training courses	0	0	0	142000	57000	57000
	003	Scientific Scholarships and Cultural Exchange	0	0	0	142000	57000	57000
	305	Non-Employees' Bonuses	4670	5000	5000	27000	27000	27000
		Total	53439	93000	93000	285000	200000	200000
		Total of Activity	2379295	2918000	2876000	3130000	3091000	3119000
		Total of Program	2379295	2918000	2876000	3130000	3091000	3119000

Program : 6184 - Nuclear Research/ Nuclear Reactors formerly								
Activity : 601 - Nuclear researches								
Group	Item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	39615	70000	70000	71000	72000	73000
	103	Comprehensive Contract Employees	125317	92000	92000	90000	92000	94000
	105	Personal Cost of Living Allowance	122000	133000	133000	140000	142000	144000
	106	Family Cost of Living Allowance	9840	13000	13000	14000	15000	16000
	111	Additional Allowance	349506	343000	343000	361000	367000	375000
	112	Other Allowances	31365	34000	34000	34000	35000	36000
	113	Transportation Allowance	19115	25000	25000	26000	26000	26000
	114	Transport Allowance	5540	8000	8000	9000	10000	11000
	116	Employees' Bonuses	0	250000	250000	300000	300000	300000
	120	Contract Employees	249912	247000	247000	251000	253000	257000
		Total	952210	1215000	1215000	1296000	1312000	1332000
2121		Social Security Contributions						
	301	Social Security	100147	130000	130000	148000	150000	152000
		Total	100147	130000	130000	148000	150000	152000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	202	Telecommunications Services	0	0	0	6000	6000	6000
	203	Water	0	0	0	20000	20000	20000
	204	Electricity	0	0	0	300000	375000	385000
	206	Maintenance of Machines, furniture and accessories	0	0	0	1000	1000	1000
	208	Repair and maintenance of buildings and accessories	0	0	0	4000	4000	4000
	209	Stationery, Publications and Office Supplies	0	0	0	5000	5000	5000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	0	0	0	4000	4000	4000
	211	Cleaning services and supplies including cleaning contracts	0	0	0	43000	43000	43000
	212	Insurance	0	0	0	33000	33000	33000
	213	Official Travel Missions	0	0	0	5000	5000	5000
	214	Goods and services expenses	0	0	0	55000	55000	55000
	001	Events and hospitality	0	0	0	5000	5000	5000
	014	Shipment and clearance fees	0	0	0	15000	15000	15000
	084	Fees and licenses	0	0	0	35000	35000	35000
		Total	0	0	0	476000	551000	561000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	0	0	0	8000	8000	8000
	014	Saving Fund contribution	0	0	0	8000	8000	8000
	305	Non-Employees' Bonuses	0	0	0	42000	42000	42000
		Total	0	0	0	50000	50000	50000
		Total of Activity	1052357	1345000	1345000	1970000	2063000	2095000
		Total of Program	1052357	1345000	1345000	1970000	2063000	2095000
		Total of Chapter	3431652	4263000	4221000	5100000	5154000	5214000

Overall Summary of Capital Expenditures for the Years 2019 - 2023

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Group	Item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
		Expenditures						
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures	1094234	425500	425000	70000	120000	120000
		Total	1094234	425500	425000	70000	120000	120000
25		Subsidies						
2511		Subsidies to Public Corporations						
	520	Subsidies to non-financial public corporations/capital	378039	385000	385000	479000	579000	579000
		Total	378039	385000	385000	479000	579000	579000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations	411480	228000	228000	0	0	0
		Total	411480	228000	228000	0	0	0
		Fixed Assets						
31		Non-financial Assets						
3111		Buildings and Constructions						
	508	Works and Constructions	536971	315000	315000	0	0	0
		Total	536971	315000	315000	0	0	0
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices	90909	37500	37500	164000	295000	395000
		Total	90909	37500	37500	164000	295000	395000
3122		Inventories						
	503	Materials and supplies	165243	71500	71500	200000	170000	170000
		Total	165243	71500	71500	200000	170000	170000
		Total of Chapter	2676876	1462500	1462000	913000	1164000	1264000

Capital Expenditures According to Program and Projects for the Years 2019 - 2023

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Program 6181 Administration and Support Services								
Project 001 Administration and Support Services Program Administration Project								
Fund Source 102001 Capital (Treasury)								
Group	item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	008	Qualification and training expenses	503487	250000	250000	0	0	0
	015	Operating systems and software	8293	15000	15000	20000	20000	20000
	021	Printing house	0	1000	1000	0	0	0
	035	Technical and administrative support	286587	36000	36000	0	0	0
	055	Hospitality expenditures	26933	5000	5000	0	0	0
		Total of Item	825300	307000	307000	20000	20000	20000
31		Non-financial Assets						
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	001	Computers and accessories	2958	7500	7500	15000	15000	15000
	069	Modernizing and developing devices and equipment	87951	30000	30000	79000	80000	80000
		Total of Item	90909	37500	37500	94000	95000	95000
3122		Inventories						
	503	Materials and supplies						
	001	Computer supplies and accessories	6253	7500	7500	10000	10000	10000
	006	Laboratories supplies and materials	89362	44000	44000	40000	60000	60000
		Total of Item	95615	51500	51500	50000	70000	70000
		Total of Project / Treasury	1011824	396000	396000	164000	185000	185000
Project 002 Supporting energy projects								
Fund Source 102001 Capital (Treasury)								
Group	item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
25		Subsidies						
2511		Subsidies to Public Corporations						
	520	Subsidies to non-financial public corporations/capital						
	031	National Committee for synchrotron	10000	10000	10000	10000	10000	10000
	033	International Committee for synchrotron	368039	375000	375000	369000	369000	369000
	034	Jordanian company for mining	0	0	0	100000	200000	200000
		Total of Item	378039	385000	385000	479000	579000	579000
		Total of Project / Treasury	378039	385000	385000	479000	579000	579000
		Total of Program	1389863	781000	781000	643000	764000	764000

Capital Expenditures According to Program and Projects for the Years 2019 - 2023

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Program		6184 Nuclear Research/ Nuclear Reactors formerly						
Project		003 Establishing and operating the research nuclear reactor						
Fund Source		102001 Capital (Treasury)						
Group	item	Description	Actual 2019	Estimated 2020	Re-estimated 2020	Estimated 2021	Indicative 2022	Indicative 2023
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	015	Operating systems and software	3953	14750	14500	50000	100000	100000
	035	Technical and administrative support	262406	100000	100000	0	0	0
	055	Hospitality expenditures	2575	3750	3500	0	0	0
		Total of Item	268934	118500	118000	50000	100000	100000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations						
	027	Purchasing consultation services	411480	228000	228000	0	0	0
		Total of Item	411480	228000	228000	0	0	0
31		Non-financial Assets						
3111		Buildings and Constructions						
	508	Works and Constructions						
	040	Constructions	536971	315000	315000	0	0	0
		Total of Item	536971	315000	315000	0	0	0
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	055	Technical devices	0	0	0	70000	200000	300000
		Total of Item	0	0	0	70000	200000	300000
3122		Inventories						
	503	Materials and supplies						
	006	Laboratories supplies and materials	69628	20000	20000	100000	100000	100000
	007	Lighting supplies	0	0	0	50000	0	0
		Total of Item	69628	20000	20000	150000	100000	100000
		Total of Project / Treasury	1287013	681500	681000	270000	400000	500000
		Total of Program	1287013	681500	681000	270000	400000	500000
		Total of Chapter	2676876	1462500	1462000	913000	1164000	1264000