

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.

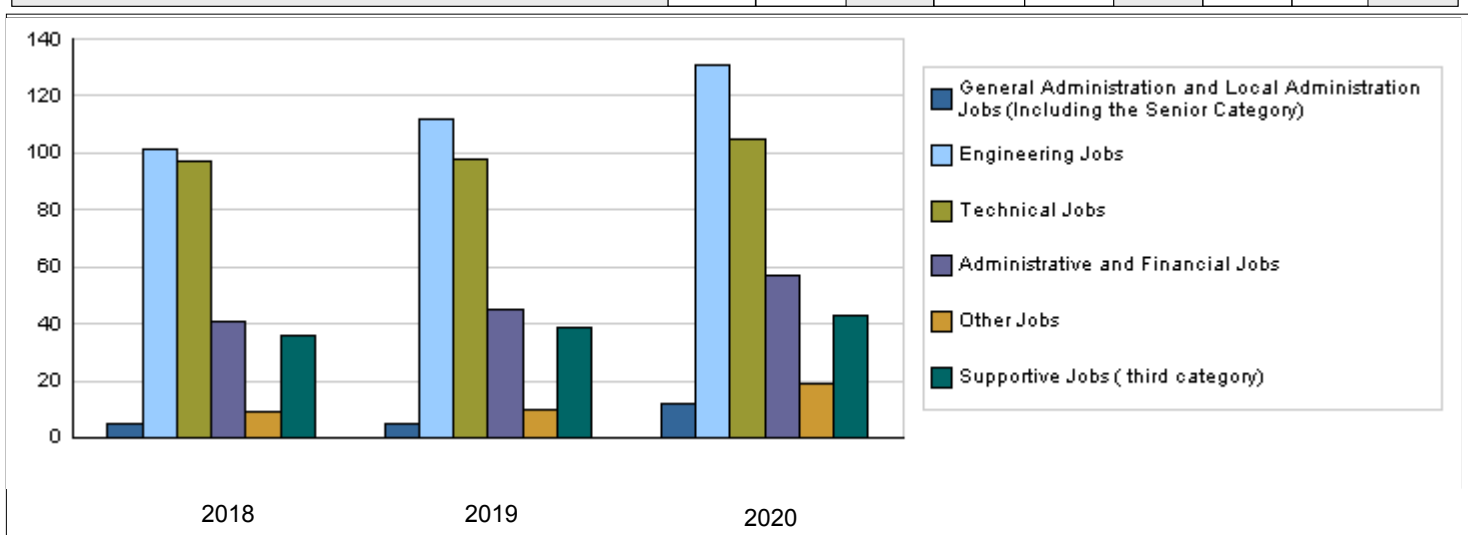
CHAPTER : 2003 Jordan Atomic Energy Commission

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		
				2018	2019	2019	2020	2021	2022
1 - To develop and upgrade the institutional capacities of the Commission	1 Percentage of Commission's stakeholders satisfaction	2016	%93	%95	%96	%96	%97	%98	%99
	2 Number of specialists and qualified technicians working on the Jordanian Nuclear program projects	2016	170	269	306	306	320	325	330
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	6	8	8	8	9	10
	2 Number of national and regional projects implemented with The International Atomic Energy Agency (IAEA) and Arab Atomic Energy Agency (AAEA)	2016	14	16	20	20	22	24	26
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	%58	%60	%60	%63	%65	%67
	2 Kinds of medical radioisotopes produced using the Jordanian nuclear reactor for research and training	2016	-	-	3	3	4	5	6

Number of Staff of the Ministry / Department

Group	Job	2018			2019			Preliminary 2020		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
General Administration and Local Administration Jobs (Including the Senior Category)	Supervisory and Leadership Jobs	5	0	5	5	0	5	9	3	12
Engineering Jobs	Engineer	81	20	101	88	24	112	100	31	131
Technical Jobs	Technical Jobs	78	19	97	78	20	98	80	25	105
Administrative and Financial Jobs	Financial Administration Jobs	23	18	41	27	18	45	35	22	57
Other Jobs		6	3	9	7	3	10	14	5	19
Supportive Jobs (third category)	Support Employee (Driver, Office Boy)	34	2	36	37	2	39	39	4	43
Total		227	62	289	242	67	309	277	90	367
Total Cost of Salaries		0	0	0	2287644	633356	2921000	2683956	872044	3556000



Key Information of the Ministry / Department

No.	Description	2016	2017	2018	2019	2020
1	Number of companies/ institutions specialized in nuclear and radiology technology and energy dealing with the Commission	4	4	4	3	3
2	Number of companies/institutions benefiting from radiant wastes storage and transport services provided by the Commission	20	14	18	22	24
3	Number of companies benefiting from gamma ray sterilization provided by the Commission	27	29	30	30	31
4	Number of Jordanian universities benefiting from the technical facilities of the Commission including scientific research	10	10	10	12	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	111	116	121	122	124
6	Number of institutions/ hospitals / medical centers using medical radioisotopes produced by the Jordanian nuclear reactor for training and research	0	0	0	12	12

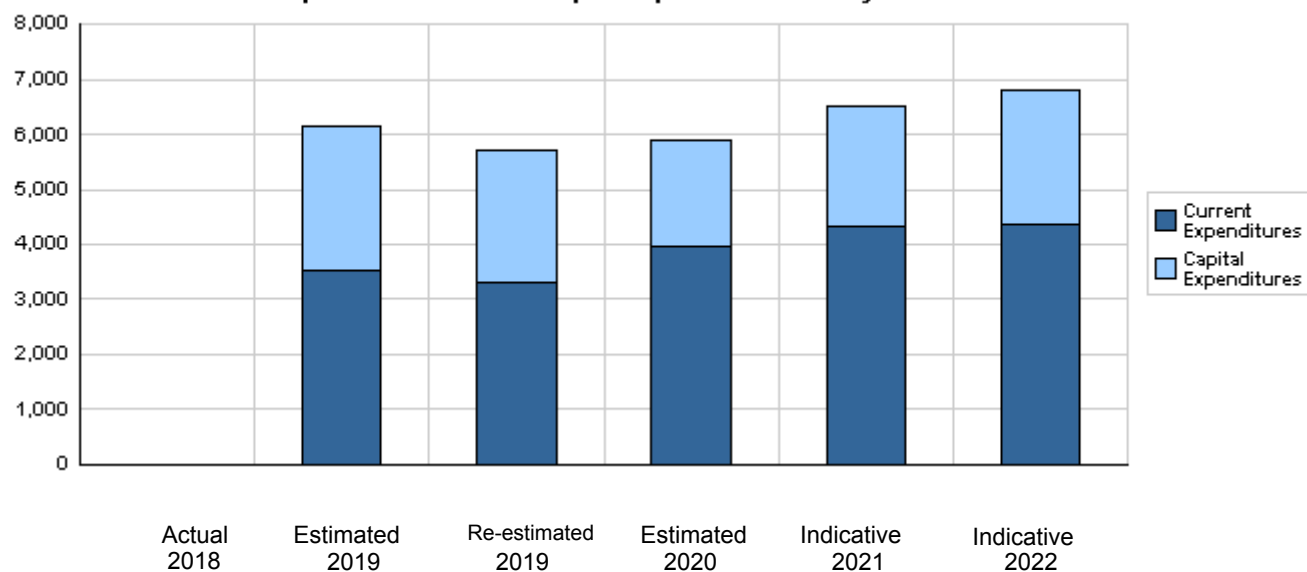
Overall Summary of Expenditures for Chapter 2003- Jordan Atomic Energy Commission
for the Years 2018 - 2022

(In JDs)

Description		Actual 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021 2022	
Group	Current Expenditures						
2111	Salaries, Wages and Allowances	0	2,780,000	2,609,000	3,211,000	3,571,000	3,615,000
2121	Social Security Contributions	0	333,000	312,000	345,000	350,000	355,000
2211	Use of Goods and Services	0	328,000	305,000	305,000	300,000	300,000
2821	Other Current Expenditures	0	100,000	93,000	93,000	93,000	93,000
Total current expenditures		0	3,541,000	3,319,000	3,954,000	4,314,000	4,363,000
Capital Expenditures							
2211	Use of Goods and Services	0	1,010,000	905,000	515,000	565,000	615,000
2511	Subsidies to Public Corporations	0	535,000	450,000	585,000	610,000	660,000
2822	Other Capital Expenditures	0	350,000	350,000	300,000	375,000	450,000
3111	Buildings and Constructions	0	500,000	500,000	400,000	500,000	575,000
3112	Devices, Machinery and Equipment	0	80,000	70,000	50,000	50,000	50,000
3122	Inventories	0	125,000	115,000	100,000	100,000	100,000
Total capital expenditures		0	2,600,000	2,390,000	1,950,000	2,200,000	2,450,000
Treasury		0	2,600,000	2,390,000	1,950,000	2,200,000	2,450,000
Total current and capital expenditures		0	6,141,000	5,709,000	5,904,000	6,514,000	6,813,000

(Thousands of JDs)

Graph of the current and capital expenditures for the years 2018 - 2022

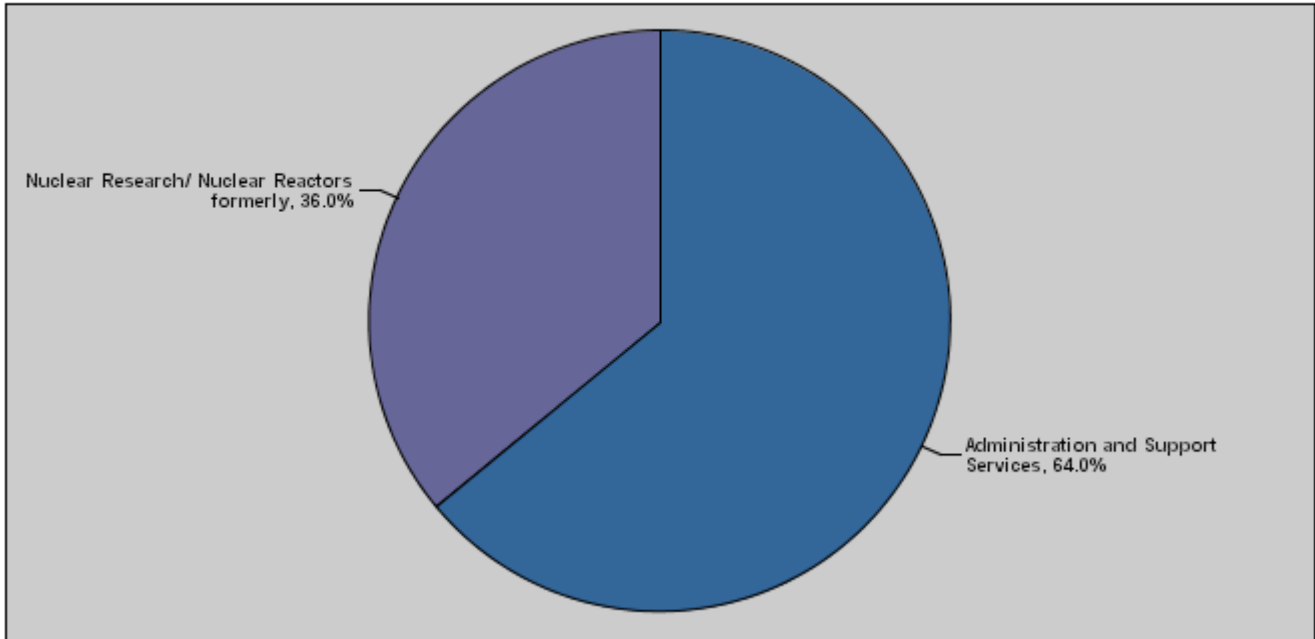


Budget of Chapter 2003 - Jordan Atomic Energy Commission
For the Year 2020 Distributed According to Program

(In JDs)

Prog.	Description	Current Expenditures	Capital Expenditures	Total Expenditures
6181	Administration and Support Services	2,691,000	1,085,000	3,776,000
6184	Nuclear Research/ Nuclear Reactors formerly	1,263,000	865,000	2,128,000
	Total	3,954,000	1,950,000	5,904,000

Total Expenditures for the Year 2020 Distributed According to Programs



Estimated Allocations for Females distributed according to Programs for the Years 2018 - 2022

Program	2018	2019	2020	2021	2022
6181 Administration and Support Services	0	509000	592000	642000	649000
6184 Nuclear Research/ Nuclear Reactors formerly	0	221000	278000	307000	311000
Total	0	730000	870000	949000	960000

6181 Administration and Support Services Program

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 2019 estimated with (218) staff, including (184) males and (34) females .

Performance Measurement Indicators for Program

Performance Measurement Indicator	Base Year	Value	Actual value	Target Value	Preliminary Self Evaluation	Target Value		
			2018	2019	2019	2020	2021	2022
1 Satisfaction Percentage of the Commission's stakeholders	2016	%93	%95	%96	%96	%97	%98	%99
2 Number of nuclear cooperation agreements signed with specialized countries	2016	3	6	8	8	8	9	10
3 Number of specialized qualification courses in commission's area of work	2016	%45	%55	%70	%60	%80	%85	%90
4 Number of national and regional projects implemented by the IAEA and AAEA	2016	14	16	20	20	22	24	26
5 Percentage of Uranium presence to total number of explored sites	2016	%10	%58	%60	%60	%63	%65	%67

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 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021 2022	
Current Expenditures		0	2,477,000	2,315,000	2,691,000	2,917,000	2,949,000
601	Administrative and Support Services	0	2,477,000	2,315,000	2,691,000	2,917,000	2,949,000
Capital Expenditures		0	1,535,000	1,325,000	1,085,000	1,110,000	1,160,000
001	Administration and Support Services Program Administration Project	0	1,000,000	875,000	500,000	500,000	500,000
002	Supporting energy projects	0	535,000	450,000	585,000	610,000	660,000
Program / Treasury		0	1,535,000	1,325,000	1,085,000	1,110,000	1,160,000
Total Program		0	4,012,000	3,640,000	3,776,000	4,027,000	4,109,000

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 nitrogen 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 2019 estimated with (91) staff, including (58) males and (33) females .

Performance Measurement Indicators for Program

Performance Measurement Indicator	Base Year	Value	Actual value	Target Value	Preliminary Self Evaluation	Target Value			
			2018	2019		2019	2020	2021	2022
1	Number of medical radioisotopes produced by the Jordanian Nuclear Reactor for Research and Training	2016	-	-	3	3	4	5	6
2	Number of nuclear engineers and qualified sciences students	2016	20	20	30	30	31	32	33
3	Number of research and studies using the reactor	2016	3	3	8	8	9	10	11

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

(In JDs)

Activities and Projects	Actual	Estimated	Re-estimated	Estimated	Indicative	
	2018	2019	2019	2020	2021	2022
Current Expenditures	0	1,064,000	1,004,000	1,263,000	1,397,000	1,414,000
601 Nuclear researches	0	1,064,000	1,004,000	1,263,000	1,397,000	1,414,000
Capital Expenditures	0	1,065,000	1,065,000	865,000	1,090,000	1,290,000
003 Establishing and operating the research nuclear reactor	0	1,065,000	1,065,000	865,000	1,090,000	1,290,000
Program / Treasury	0	1,065,000	1,065,000	865,000	1,090,000	1,290,000
Total Program	0	2,129,000	2,069,000	2,128,000	2,487,000	2,704,000

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Current Activities Appropriations According to Program								
Prog.	Activites		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2018	2019	2019	2020	2021	2022
6181	601	Administrative and Support Services	0	2477000	2315000	2691000	2917000	2949000
		Total of Program	0	2477000	2315000	2691000	2917000	2949000
6184	601	Nuclear researches	0	1064000	1004000	1263000	1397000	1414000
		Total of Program	0	1064000	1004000	1263000	1397000	1414000
		Total	0	3541000	3319000	3954000	4314000	4363000

Capital Projects Appropriations According to Program								
Prog.	Projects		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2018	2019	2019	2020	2021	2022
6181	001	Administration and Support Services Program Administration Project	0	1000000	875000	500000	500000	500000
	002	Supporting energy projects	0	535000	450000	585000	610000	660000
		Total of Program	0	1535000	1325000	1085000	1110000	1160000
6184	003	Establishing and operating the research nuclear reactor	0	1065000	1065000	865000	1090000	1290000
		Total of Program	0	1065000	1065000	865000	1090000	1290000
		Total	0	2600000	2390000	1950000	2200000	2450000

Overall Summary of Current Expenditures for the Years 2018 - 2022

Chapter: 2003 Jordan Atomic Energy Commission

(In JDs)

Group	Item	Description	Actual 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	0	288000	260000	196000	270000	273000
	103	Comprehensive Contract Employees	0	565000	520000	492000	539000	547000
	105	Personal Cost of Living Allowance	0	365000	350000	370000	395000	401000
	106	Family Cost of Living Allowance	0	35000	35000	44000	45000	47000
	111	Additional Allowance	0	792000	729000	738000	847000	858000
	112	Other Allowances	0	303000	298000	274000	319000	323000
	113	Transportation Allowance	0	72000	70000	78000	80000	82000
	114	Transport Allowance	0	30000	27000	32000	34000	36000
	116	Employees' Bonuses	0	0	0	650000	650000	650000
	120	Contract Employees	0	330000	320000	337000	392000	398000
Total			0	2780000	2609000	3211000	3571000	3615000
2121		Social Security Contributions						
	301	Social Security	0	333000	312000	345000	350000	355000
Total			0	333000	312000	345000	350000	355000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	201	Rents	0	25000	25000	25000	25000	25000
	202	Telecommunications Services	0	20000	15000	20000	20000	20000
	203	Water	0	10000	5000	10000	10000	10000
	204	Electricity	0	70000	70000	12000	7000	7000
	205	Fuels	0	40000	40000	45000	45000	45000
	206	Maintenance of Machines, furniture and accessories	0	3000	3000	3000	3000	3000
	207	Maintenance of vehicles, equipment and accessories	0	12000	12000	15000	15000	15000
	208	Repair and maintenance of buildings and accessories	0	7000	7000	10000	10000	10000
	209	Stationery, Publications and Office Supplies	0	10000	7000	15000	15000	15000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	0	10000	5000	10000	10000	10000
	211	Cleaning services and supplies including cleaning contracts	0	45000	40000	45000	45000	45000
	212	Insurance	0	12000	12000	15000	15000	15000
	213	Official Travel Missions	0	30000	30000	30000	30000	30000
	214	Goods and services expenses	0	34000	34000	50000	50000	50000
Total			0	328000	305000	305000	300000	300000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	0	95000	88000	88000	88000	88000
	305	Non-Employees' Bonuses	0	5000	5000	5000	5000	5000
Total			0	100000	93000	93000	93000	93000
Total of Chapter			0	3541000	3319000	3954000	4314000	4363000

Current Expenditures According to Program and Activities for the Years 2018 - 2022

Chapter : 2003 - Jordan Atomic Energy Commission

(In JDs)

Program : 6181 - Administration and Support Services								
Activity : 601 - Administrative and Support Services								
Group	Item	Description	Actual 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	0	248000	220000	175000	228000	230000
	103	Comprehensive Contract Employees	0	435000	420000	400000	435000	441000
	105	Personal Cost of Living Allowance	0	243000	230000	245000	263000	267000
	106	Family Cost of Living Allowance	0	25000	25000	31000	31000	32000
	111	Additional Allowance	0	442000	390000	395000	457000	464000
	112	Other Allowances	0	271000	268000	240000	284000	287000
	113	Transportation Allowance	0	51000	50000	53000	54000	55000
	114	Transport Allowance	0	24000	22000	24000	25000	26000
	116	Employees' Bonuses	0	0	0	400000	400000	400000
	120	Contract Employees	0	80000	80000	90000	102000	104000
		Total	0	1819000	1705000	2053000	2279000	2306000
2121		Social Security Contributions						
	301	Social Security	0	230000	212000	240000	245000	250000
		Total	0	230000	212000	240000	245000	250000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	201	Rents	0	25000	25000	25000	25000	25000
	202	Telecommunications Services	0	20000	15000	20000	20000	20000
	203	Water	0	10000	5000	10000	10000	10000
	204	Electricity	0	70000	70000	12000	7000	7000
	205	Fuels	0	40000	40000	45000	45000	45000
	001	Heating	0	5000	5000	5000	5000	5000
	002	Saloon vehicles	0	20000	20000	25000	25000	25000
	003	Transport vehicles and heavy equipment	0	15000	15000	15000	15000	15000
	206	Maintenance of Machines, furniture and accessories	0	3000	3000	3000	3000	3000
	207	Maintenance of vehicles, equipment and accessories	0	12000	12000	15000	15000	15000
	208	Repair and maintenance of buildings and accessories	0	7000	7000	10000	10000	10000
	209	Stationery, Publications and Office Supplies	0	10000	7000	15000	15000	15000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	0	10000	5000	10000	10000	10000
	211	Cleaning services and supplies including cleaning contracts	0	45000	40000	45000	45000	45000
	212	Insurance	0	12000	12000	15000	15000	15000
	213	Official Travel Missions	0	30000	30000	30000	30000	30000
	214	Goods and services expenses	0	34000	34000	50000	50000	50000
	008	Advertisements and subscriptions	0	1000	1000	1000	1000	1000
	013	Services, security and guarding contracts	0	31000	31000	47000	47000	47000
	014	Shipment and clearance fees	0	2000	2000	2000	2000	2000
		Total	0	328000	305000	305000	300000	300000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	0	95000	88000	88000	88000	88000
	014	Saving Fund contribution	0	27000	20000	35000	35000	35000
	018	International Agency for Atomic Energy and Arab Commission	0	68000	68000	53000	53000	53000
	305	Non-Employees' Bonuses	0	5000	5000	5000	5000	5000
		Total	0	100000	93000	93000	93000	93000
		Total of Activity	0	2477000	2315000	2691000	2917000	2949000
		Total of Program	0	2477000	2315000	2691000	2917000	2949000

Current Expenditures According to Program and Activities for the Years 2018 - 2022

Chapter : 2003 - Jordan Atomic Energy Commission

(In JDs)

Program : 6184 - Nuclear Research/ Nuclear Reactors formerly								
Activity : 601 - Nuclear researches								
Group	Item	Description	Actual 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	0	40000	40000	21000	42000	43000
	103	Comprehensive Contract Employees	0	130000	100000	92000	104000	106000
	105	Personal Cost of Living Allowance	0	122000	120000	125000	132000	134000
	106	Family Cost of Living Allowance	0	10000	10000	13000	14000	15000
	111	Additional Allowance	0	350000	339000	343000	390000	394000
	112	Other Allowances	0	32000	30000	34000	35000	36000
	113	Transportation Allowance	0	21000	20000	25000	26000	27000
	114	Transport Allowance	0	6000	5000	8000	9000	10000
	116	Employees' Bonuses	0	0	0	250000	250000	250000
	120	Contract Employees	0	250000	240000	247000	290000	294000
		Total	0	961000	904000	1158000	1292000	1309000
2121		Social Security Contributions						
	301	Social Security	0	103000	100000	105000	105000	105000
		Total	0	103000	100000	105000	105000	105000
		Total of Activity	0	1064000	1004000	1263000	1397000	1414000
		Total of Program	0	1064000	1004000	1263000	1397000	1414000
		Total of Chapter	0	3541000	3319000	3954000	4314000	4363000

Overall Summary of Capital Expenditures for the Years 2018 - 2022

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Group	Item	Description	Actual 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
		Expenditures						
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures	0	1010000	905000	515000	565000	615000
Total			0	1010000	905000	515000	565000	615000
25		Subsidies						
2511		Subsidies to Public Corporations						
	520	Subsidies to non-financial public corporations/capital	0	535000	450000	585000	610000	660000
Total			0	535000	450000	585000	610000	660000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations	0	350000	350000	300000	375000	450000
Total			0	350000	350000	300000	375000	450000
		Fixed Assets						
31		Non-financial Assets						
3111		Buildings and Constructions						
	508	Works and Constructions	0	500000	500000	400000	500000	575000
Total			0	500000	500000	400000	500000	575000
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices	0	80000	70000	50000	50000	50000
Total			0	80000	70000	50000	50000	50000
3122		Inventories						
	503	Materials and supplies	0	125000	115000	100000	100000	100000
Total			0	125000	115000	100000	100000	100000
Total of Chapter			0	2600000	2390000	1950000	2200000	2450000

Capital Expenditures According to Program and Projects for the Years 2018 - 2022

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 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	008	Qualifying and training expenses	0	515000	450000	250000	250000	250000
	015	Operating systems and software	0	20000	20000	20000	20000	20000
	021	Printing house	0	5000	5000	5000	5000	5000
	035	Technical and administrative support	0	275000	235000	100000	100000	100000
	055	Hospitality expenditures	0	20000	20000	15000	15000	15000
		Total of Item	0	835000	730000	390000	390000	390000
31		Non-financial Assets						
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	001	Computers and accessories	0	10000	10000	10000	10000	10000
	069	Modernizing and developing devices and equipment	0	70000	60000	40000	40000	40000
		Total of Item	0	80000	70000	50000	50000	50000
3122		Inventories						
	503	Materials and supplies						
	001	Computer supplies and accessories	0	15000	15000	10000	10000	10000
	006	Laboratories supplies and materials	0	70000	60000	50000	50000	50000
		Total of Item	0	85000	75000	60000	60000	60000
		Total of Project / Treasury	0	1000000	875000	500000	500000	500000
Project		002 Supporting energy projects						
Fund Source		102001 Capital (Treasury)						
Group	item	Description	Actual 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
25		Subsidies						
2511		Subsidies to Public Corporations						
	520	Subsidies to non-financial public corporations/capital						
	031	National Committee for synchrotron	0	10000	10000	10000	10000	10000
	033	International Committee for synchrotron	0	275000	275000	375000	400000	450000
	034	Jordanian company for mining	0	250000	165000	200000	200000	200000
		Total of Item	0	535000	450000	585000	610000	660000
		Total of Project / Treasury	0	535000	450000	585000	610000	660000
		Total of Program	0	1535000	1325000	1085000	1110000	1160000

Capital Expenditures According to Program and Projects for the Years 2018 - 2022

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 2018	Estimated 2019	Re-estimated 2019	Estimated 2020	Indicative 2021	Indicative 2022
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	015	Operating systems and software	0	20000	20000	20000	20000	20000
	035	Technical and administrative support	0	150000	150000	100000	150000	200000
	055	Hospitality expenditures	0	5000	5000	5000	5000	5000
		Total of Item	0	175000	175000	125000	175000	225000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations						
	027	Purchasing consultation services	0	350000	350000	300000	375000	450000
		Total of Item	0	350000	350000	300000	375000	450000
31		Non-financial Assets						
3111		Buildings and Constructions						
	508	Works and Constructions						
	040	Constructions	0	500000	500000	400000	500000	575000
		Total of Item	0	500000	500000	400000	500000	575000
3122		Inventories						
	503	Materials and supplies						
	006	Laboratories supplies and materials	0	40000	40000	40000	40000	40000
		Total of Item	0	40000	40000	40000	40000	40000
		Total of Project / Treasury	0	1065000	1065000	865000	1090000	1290000
		Total of Program	0	1065000	1065000	865000	1090000	1290000
		Total of Chapter	0	2600000	2390000	1950000	2200000	2450000