

XX. DEPARTMENT OF SCIENCE AND TECHNOLOGY

A. OFFICE OF THE SECRETARY

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and cutting-edge technological innovations

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (P_s)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and cutting-edge technological innovations

STRATEGIC SCIENCE AND TECHNOLOGY (S&T) PROGRAM

Outcome Indicators

1. Percentage of projects completed	12%	10%
2. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences or with IP filed or approved	87%	90%
3. Percentage of priorities in the Harmonized R&D Agenda addressed	81%	80%

Output Indicators

1. Number of projects funded	175	152
2. Percentage of programs / projects received that are evaluated and approved within the standard period of 95 days	75%	77%
3. Percentage of new and on-going projects monitored	100%	100%
4. Number of grantees supported	60	80

S&T PROGRAM FOR REGIONAL AND COUNTRYSIDE DEVELOPMENT

Outcome Indicators

1. Percentage increase in productivity generated	19%	15%
2. Percentage increase in employment generated	14%	7%
3. Percentage of clients who rate the assistance as satisfactory or better	96%	92%

Output Indicators

1. Number of technology interventions, trainings and consultancy services provided	49,784	55,601
2. Number of MSMEs, LGUs, HEIs, communities and other institutions assisted	31,064	23,860
3. Percentage of requests for technical assistance that are acted upon within the ISO standard time	95%	91%

B. ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technologies in ICT and Microelectronics

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and technologies in ICT and Microelectronics

ADVANCED SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage benefit incidence of intervention to local industries and / or institutions	90%	90%
2. Number of partnerships with public and private stakeholders and international organizations	10	10

Output Indicators

1. Number of projects completed	12	12
2. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	90%	90%
3. Percentage of projects implemented within the approved timeframe	90%	90%

ADVANCED SCIENCE AND TECHNOLOGY TRANSFER PROGRAM

Outcome Indicators

1. Amount (PhP' 000) of revenue generated from technology transfer and technical assistance	13,100	15,100
2. Percentage of clients who rate the quality of technical assistance provided as satisfactory or better	90%	90%
3. Percentage benefit incidence of intervention to local industries and / or institutions	90%	90%

Output Indicators

1. Number of knowledge / technologies diffused	10	10
2. Number of technologies transferred / commercialized through technology transfer agreement	3	3
3. Percentage of request for technical assistance that have been provided within the required timeframe	90%	90%

C. FOOD AND NUTRITION RESEARCH INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and food and nutrition technologies

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and food and nutrition technologies

FOOD AND NUTRITION RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicator

1. Percentage reduction of malnutrition prevalence in a municipality or barangay in each of the priority 25 provinces where S&T-based intervention model can be showcased

15%

15%

Output Indicators

1. Number of projects completed
2. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved
3. Percentage of projects implemented within the approved time frame

28

30

20%

20%

100%

100%

NUTRITIONAL ASSESSMENT AND MONITORING PROGRAM

Outcome Indicator

1. Percentage of national government agencies and local government units that adopt / refer to the results of the National Nutrition Survey

-

100%

Output Indicators

1. Number of nutrition and nutrition-related indicators collected / generated and made available to the public within the prescribed time period
2. Number of feedback conferences / dissemination fora conducted
3. Number of projects / studies completed

-

400

-

5

2

10

FOOD AND NUTRITION TECHNOLOGY AND KNOWLEDGE DIFFUSION PROGRAM

Outcome Indicators

1. Percentage increase in the utilization of science-based intervention (technologies / products / services / models transferred and utilized; tools and guidelines adopted)

20%

20%

2. Percentage of technology transfer beneficiaries that rate the technology as satisfactory or better	-	95%
Output Indicators		
1. Number of technology transfer agreements forged	20	20
2. Number of technical services rendered	3,000	3,000
3. Percentage of request for technical services provided within three (3) days of request	95%	95%

D. FOREST PRODUCTS RESEARCH AND DEVELOPMENT INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and forest-based product technological innovations

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and forest-based product technological innovations

FOREST PRODUCTS RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage benefit incidence of intervention to local industries and / or institutions	-	90%
2. Number of partnerships with public and private stakeholders and international organizations	-	3
3. Amount of revenue generated from partnerships	-	Php20M

Output Indicators

1. Number of projects completed	12	12
2. Percentage of projects implemented within the approved time frame	100%	90%
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	90%	90%

FOREST PRODUCTS TECHNOLOGY TRANSFER PROGRAM

Outcome Indicators

1. Percentage of clients that rate the technology transfer as satisfactory or better	100%	90%
2. Percentage benefit incidence of intervention to target local industries and / or institutions	-	90%

Output Indicators

1. Number of knowledge / technologies diffused	-	20
2. Number of technologies transferred / commercialized through technology transfer agreement	-	10

GENERAL APPROPRIATIONS ACT, FY 2018

3. Percentage of request for technology transfer that have been provided within the required time frame	100%	90%
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FOREST PRODUCTS SCIENCE AND TECHNOLOGY SERVICES PROGRAM

Outcome Indicator

1. Percentage of customers that rate the technical services rendered as satisfactory or better	100%	90%
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Output Indicators

1. Number of technical services rendered	2,128	2,000
2. Percentage of request for technical services that have been provided within the required time frame	100%	90%

E. INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technologies for industry productivity and competitiveness

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and technologies for industry productivity and competitiveness

INDUSTRIAL TECHNOLOGY RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage benefit incidence of intervention to local industries and / or institutions	-	70%
2. Number of partnerships with public and private stakeholders and international organizations	-	10
Output Indicators		
1. Number of projects completed	14	15
2. Percentage of projects implemented within the approved time frame	88%	100%
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	-	70%

INDUSTRIAL TECHNOLOGY TRANSFER PROGRAM

Outcome Indicators

1. Percentage of clients that rate the technology transfer as satisfactory or better	-	90%
2. Percentage benefit incidence of intervention to target local industries and / or institutions	-	90%

Output Indicators

1. Number of knowledge / technologies diffused	-	30
2. Number of technologies transferred / commercialized through technology transfer agreement	-	5
3. Percentage of request for technology transfer that have been provided within the required time frame	-	100%

INDUSTRIAL TECHNOLOGY TECHNICAL SERVICES PROGRAM

Outcome Indicator

1. Percentage of customers that rate the technical services rendered as satisfactory or better	100%	90%
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Output Indicators

1. Number of technical services rendered	26,501	15,000
2. Percentage of request for technical services that have been provided within the required time frame	100%	90%

F. METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technologies in cutting-edge metals and engineering innovations

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and technologies in cutting-edge metals and engineering innovations

METALS INDUSTRY RESEARCH PROGRAM

Outcome Indicators

1. Percentage benefit incidence of intervention to target local industries and / or institutions	70%	80%
2. Number of partnerships with public and private stakeholders and international organizations	30	30

Output Indicators

1. Number of projects completed	49	36
2. Percentage of projects implemented within the approved time frame	96%	95%
3. Percentage of projects completed which are adopted by the industry, published in peer-reviewed journals, presented in national and / or international conferences	60%	70%

METALS INDUSTRY TECHNOLOGY TRANSFER PROGRAM

Outcome Indicators

1. Percentage of clients that rate the technology transfer as satisfactory or better	70%	80%
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GENERAL APPROPRIATIONS ACT, FY 2018

2. Percentage benefit incidence of intervention to target local industries and / or institutions	60%	70%
Output Indicators		
1. Number of technologies diffused	20	25
2. Number of technologies transferred through licensing agreement	8	13
3. Percentage of request for technology transfer that have been provided within the required time frame	60%	70%

METALS INDUSTRY SCIENCE AND TECHNOLOGY SERVICES PROGRAM

Outcome Indicator		
1. Percentage of customers that rate the technical services rendered as satisfactory or better	99%	95%
Output Indicators		
1. Number of technical services rendered	6,281	6,000
2. Percentage of request for technical services that have been provided within the required time frame	94%	95%

G. NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge by recognizing outstanding achievements and enhancing and fostering policy environment for the development of science and technology

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge by recognizing outstanding achievements and enhancing and fostering policy environment for the development of Science and Technology

SCIENCE AND TECHNOLOGY RECOGNITION AND POLICY ADVISORY PROGRAM

Outcome Indicators		
1. Percentage of scientists given awards over nominations received	20% (80 / 386)	20% (80 / 386)
2. Number and percentage of policies, recommendations, formulated, submitted to concerned offices and accepted by said offices	6 / 80%	6 / 80%
Output Indicators		
1. Percentage of nominations for awards and incentives acted upon within the prescribed period	100%	100%
2. Percentage of benefits and privileges provided to national scientists and academy members within the prescribed period	50% (4 / 7)	50% (4 / 7)
3. Number of recognition, advisory, scientific linkages and PSHC-related activities	20%	20%

H. NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Problem-focused multi-disciplinary basic research, policy formulation and collaboration among Filipino researchers enhanced

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Problem-focused multi-disciplinary basic research, policy formulation and collaboration among Filipino researchers enhanced

POLICY DEVELOPMENT FOR SCIENCE AND TECHNOLOGY ADVISORY PROGRAM

Outcome Indicators

- | | | |
|---|-----|------|
| 1. Percentage of Filipino researchers collaborating on problem-focused multi-disciplinary basic Research and Development programs | 25% | 26% |
| 2. Percentage increase of stakeholders approving the policies formulated | 90% | 100% |

Output Indicators

- | | | |
|---|-----|------|
| 1. Number of projects with policy implications presented in stakeholders' forum | 5 | 5 |
| 2. Percentage of participants that rated the forum as satisfactory or better | 90% | 100% |
| 3. Number of new approved NRCP members | 192 | 212 |

BASIC RESEARCH AND DEVELOPMENT MANAGEMENT PROGRAM

Outcome Indicators

- | | | |
|--|------|------|
| 1. Percentage of NRCP basic multi-disciplinary research and development programs addressed | 100% | 100% |
| 2. Percentage increase of stakeholders approving the policies formulated to improve global competitiveness | 90% | 100% |

Output Indicators

- | | | |
|---|------|------|
| 1. Number of projects funded | 12 | 12 |
| 2. Number of projects monitored | 18 | 18 |
| 3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP-filed or approved | 100% | 100% |

I. PHILIPPINE ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL SERVICES ADMINISTRATION

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated
3. Ecological integrity ensured and socioeconomic condition of resource-based communities improved through sustainable integrated area development

ORGANIZATIONAL OUTCOME

Enhanced safety and resiliency of Filipinos to disaster risks from extreme weather, flooding, storm surge and related events

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2018 TARGETS
Enhanced safety and resiliency of Filipinos to disaster risks from extreme weather, flooding, storm surge and related events		
WEATHER AND CLIMATE FORECASTING AND WARNING PROGRAM		
Outcome Indicator		
1. Percentage of 82 provinces that have robust science-based weather related information and services in their disaster risk reduction plans	26.81%	59%
Output Indicators		
1. Percentage accuracy of typhoon track forecast: error reduced to 100km for 24-hr forecast	90.65%	92%
2. Percentage of timely weather and typhoon warning issued within fifteen (15) minutes of scheduled time	90%	92%
3. Number of seasonal climate forecasts, climate impact assessment, tropical cyclone warning advisory (TCWA) for agriculture and farm weather forecasts and advisories issued	427	210
FLOOD FORECASTING AND WARNING PROGRAM		
Outcome Indicator		
1. Reduced number of casualties, ultimately zero casualty	-	0 casualty
Output Indicators		
1. Number of timely and accurate flood warnings issued	2,266	2,320
2. Percentage of timely flood warning issued within fifteen (15) minutes of scheduled time	97.62%	92%
3. Number of hazard maps developed / generated / updated	4	4
RESEARCH AND DEVELOPMENT ON ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL AND ALLIED SCIENCES PROGRAM		
Outcome Indicators		
1. Percentage of stakeholders who rated the forecasting capability services as satisfactory or better	80%	85%
2. Percentage increase of LGUs that use the hazard maps	50%	70%

Output Indicators

1. Number of researches / studies completed / published / applied and development of real innovative / pioneering projects	8	2
2. Percentage of involvement on the localization of instruments, facilities and models through innovation, collaboration and linkages	100%	100%
3. Number of technical assistance on actions / policies adapted by the LGU	1	2

J. PHILIPPINE COUNCIL FOR AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH AND DEVELOPMENT

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from science-based know-how and tools for agricultural productivity in the Agriculture, Aquatic and Natural Resources (AANR) sectors

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from science-based know-how and tools for agricultural productivity in the Agriculture, Aquatic and Natural Resources (AANR) sectors

NATIONAL AANR SECTOR R&D PROGRAM

Outcome Indicators

1. Percentage of priorities in the Harmonized R&D agenda addressed	90%	90%
2. Number of partnerships with public and private stakeholders and international organizations	103	110

Output Indicators

1. Number of projects funded	335	262
2. Number of projects monitored	525	498
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	89%	90%

K. PHILIPPINE COUNCIL FOR HEALTH RESEARCH AND DEVELOPMENT

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

GENERAL APPROPRIATIONS ACT, FY 2018

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technological innovations for healthcare

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and technological innovations for healthcare

NATIONAL HEALTH RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage of priorities in the National Unified Health Research Agenda (NUHRA) addressed	90%	90%
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2. Number of partnerships with public and private stakeholders and international organizations	70	80
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Output Indicators

1. Number of projects funded	75	75
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2. Number of projects monitored	200	200
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3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	45%	45%
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L. PHILIPPINE COUNCIL FOR INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH AND DEVELOPMENT (PCIEERD)

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technological innovations for productivity and competitiveness

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and technological innovations for productivity and competitiveness

NATIONAL INDUSTRY, ENERGY AND EMERGING TECHNOLOGY SECTORS R&D PROGRAM

Outcome Indicators

1. Percentage of priorities in the Harmonized National R&D Agenda addressed	90%	90%
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2. Number of partnerships with public and private stakeholders and international organizations	20	20
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Output Indicators

1. Number of projects funded	98	100
2. Number of projects monitored	287	330
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	50%	50%

M. PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated
3. Ecological integrity ensured and socioeconomic condition of resource-based communities improved through sustainable integrated area development

ORGANIZATIONAL OUTCOME

Enhanced safety and resiliency of Filipinos to volcanic eruptions, earthquakes, tsunamis and other related hazards

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Enhanced safety and resiliency of Filipinos to volcanic eruptions, earthquakes, tsunamis and other related hazards

VOLCANO, EARTHQUAKE AND TSUNAMI MONITORING AND WARNING PROGRAM

Outcome Indicator

- | | | |
|---|------|-----|
| 1. Percentage of bulletins and warnings where the event follows within the predicted time | 100% | 80% |
|---|------|-----|

Output Indicators

- | | | |
|---|--------|--------------|
| 1. Number of warnings and bulletins issued | 1,276 | event-driven |
| 2. Percentage of bulletins and warnings issued within the set standard time | 98.75% | 80% |

VOLCANO, EARTHQUAKE AND TSUNAMI HAZARDS MAPPING, RISK ASSESSMENT AND RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicator

- | | | |
|--|--------|-----|
| 1. Percentage of stakeholders who availed and rated PHIVOLCS products and services as satisfactory or better | 99.08% | 80% |
|--|--------|-----|

Output Indicators

- | | | |
|--|-------|-----|
| 1. Number of hazards maps, risk assessments reports generated / updated | 26 | 63 |
| 2. Number of hazards maps, risk assessments certifications issued to clients | 2,031 | 600 |
| 3. Number of technical papers presented in scientific meetings or published / submitted for publication in refereed journals | 18 | 16 |

GENERAL APPROPRIATIONS ACT, FY 2018

VOLCANO, EARTHQUAKE AND TSUNAMI DISASTER PREPAREDNESS AND RISK
REDUCTION PROGRAM

Outcome Indicators

1. Number of communities / institutions assisted by PHIVOLCS with preparedness / evacuation plans developed	3	4
2. Percentage of stakeholders who availed and rated PHIVOLCS products and services as satisfactory or better	93.50%	80%
Output Indicators		
1. Number of PHIVOLCS-organized DRR activities conducted	12	18
2. Number of stakeholders trained on DRR	480	720
3. Number of REDAS license issued to trained stakeholders	355	440

N. PHILIPPINE NUCLEAR RESEARCH INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

1. Increased benefits to Filipinos from science-based R&D know-how and tools in cutting-edge nuclear and radiation technologies
2. Increased benefits to Filipinos from safe and secure utilization of nuclear and radiation technologies and materials

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Ooas) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from science-based R&D know-how and tools in cutting-edge nuclear and radiation technologies

NUCLEAR RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage benefit incidence of intervention to local industries and / or institutions	100%	100%
2. Number of partnerships with public and private stakeholders and international organizations	14	15
3. Amount of revenue generated from partnerships	P109,532,933.60	P100,000,000.00
Output Indicators		
1. Percentage of technologies transferred within the expected timeframe	100%	100%
2. Percentage of projects implemented within the approved timeframe	100%	100%
3. Number of scientific / technical papers published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	11	12

NUCLEAR SCIENCE AND TECHNOLOGY SERVICES AND ADVISORY PROGRAM

Outcome Indicators

1. Percentage of clients that rate the technology transfer as satisfactory or better	99%	99%
2. Percentage benefit incidence of intervention to target local industries and / or institutions	97%	97%

Output Indicators

1. Number of knowledge / technologies diffused	44	20
2. Number of technologies transferred / commercialized through technology transfer agreement	1	1
3. Number of technical services rendered by sector	64,064	55,000

Increased benefits to Filipinos from safe and secure utilization of nuclear and radiation technologies and materials

NUCLEAR REGULATIONS, SECURITY AND SAFEGUARDS PROGRAM

Outcome Indicators

1. Percentage benefit incidence of nuclear regulatory services among total establishments that need to comply	87%	91%
2. Percent benefit incidence of satisfactory implementation of safeguards agreement and physical security system	100%	100%
3. Percent benefit incidence of satisfactory regulatory issuances	90%	90%

Output Indicators

1. Number of regulations, guides, notices, bulletins or associated documents issued	9	7
2. Number of violation of regulations detected over the last five (5) years as a percentage of the average number of licenses and permits issued over the last five (5) years	4%	15%
3. Number of nuclear security / safeguards and regulatory activities implemented	18	10

C. PHILIPPINE SCIENCE HIGH SCHOOL

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Lifelong learning opportunities for all ensured
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased competitiveness of Filipinos in Science and Engineering

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)	BASELINE	2018 TARGETS
Increased competitiveness of Filipinos in Science and Engineering		
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) SECONDARY EDUCATION ON SCHOLARSHIP BASIS PROGRAM		
Outcome Indicators		
1. Percentage of PSHS graduates pursuing STEM courses	90%	90%
2. Percentage of winnings / awards / recognition from the total number of STEM-related international (ASEAN included) competitions participated by the PSHS Scholars	80%	80%
3. Percentile of PSHS students in Math in the US-based Scholastic Aptitude Test (SAT)	80th percentile	80th percentile
Output Indicators		
1. Cohort survival rate: Percentage of scholars who advance to the succeeding grade level until they complete the 6-year scholarship period	90%	90%
2. Percentage of winnings, awards and recognition from total number of national and international competitions participated	90%	90%
3. Rank of the campuses based on the overall UPCAT scores of the PSHS student-takers	Top 20	Top 20
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) PROMOTION PROGRAM		
Outcome Indicator		
1. Percentage of municipalities with applicants to the National Competitive Examination (NCE)	50%	50%
Output Indicators		
1. Number of municipality recipients of promotional activities	137	137
2. Percentage of freshmen who were able to get a General Weighted Average (GWA) of 2.5 or better in the second quarter of the school year	85%	90%

P. PHILIPPINE TEXTILE RESEARCH INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Increased benefits to Filipinos from scientific knowledge and technological innovations for the productivity and competitiveness of textile, garment and allied industries and other institutions

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Increased benefits to Filipinos from scientific knowledge and technological innovations for the productivity and competitiveness of textile, garment and allied industries and other institutions

TEXTILE AND OTHER TEXTILE-RELATED RESEARCH AND DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage benefit incidence of intervention to local industries and / or institutions	-	90%
2. Number of partnerships with public and private stakeholders and international organizations	2	2

Output Indicators

1. Number of projects completed	9	9
2. Percentage of projects implemented within the approved time frame	100%	100%
3. Percentage of projects completed which are published in peer-reviewed journals, presented in national and / or international conferences, or with IP filed or approved	-	14%

TEXTILE S&T SERVICES PROGRAM

Outcome Indicator

1. Percentage of customers that rate the technical services rendered as satisfactory or better	98%	92%
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Output Indicators

1. Number of technical services rendered	21,195	21,195
2. Percentage of request for technical services that have been provided within the required time frame	100%	95%

TEXTILE TECHNOLOGY TRANSFER PROGRAM

Outcome Indicators

1. Percentage of clients that rate the technology transfer as satisfactory or better	80%	90%
2. Percentage benefit incidence of intervention to target local industries and / or institutions	-	90%

Output Indicators

1. Number of knowledge / technologies diffused	58	58
2. Number of technologies transferred / commercialized through technology transfer agreement	1	5
3. Percentage of request for technology transfer that have been provided within the required time frame	-	90%

C. SCIENCE EDUCATION INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Lifelong learning opportunities for all ensured
2. Innovation stimulated

GENERAL APPROPRIATIONS ACT, FY 2018

ORGANIZATIONAL OUTCOME

Competitiveness of Filipinos in Science, Technology, Engineering and Mathematics (STEM) enhanced

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Competitiveness of Filipinos in Science, Technology, Engineering and Mathematics (STEM) enhanced

SCIENCE AND TECHNOLOGY SCHOLARSHIP PROGRAM

Outcome Indicators

Indicator	Baseline	2018 Targets
1. Percentage of scholars employed in STEM-related fields	50%	60%
2. Percentage of municipalities served	95%	96%

Output Indicators

1. Number of scholars supported

Undergraduate level	17,491	23,393
Masters program	2,407	3,495
Doctoral program	720	1,526

2. Percentage of scholars graduating within the scheduled full-time program

Undergraduate level	97%	85%
Masters program	77%	70%
Doctoral program	42%	40%

3. Percentage of scholarship payments with a variance of actual payment to scheduled payment of more than one (1) day

	95%	90%
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SCIENCE AND TECHNOLOGY EDUCATION DEVELOPMENT PROGRAM

Outcome Indicator

1. Percentage of beneficiaries who rated the training and promotional program as satisfactory or better	100%	90%
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Indicator	Baseline	2018 Targets
1. Number of trainings and promotional programs conducted	82	104
2. Number of innovative learning resources developed and disseminated / deployed / established	2	3
3. Number of applications processed within two (2) months of receipt	10	15

R. SCIENCE AND TECHNOLOGY INFORMATION INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Public Science and Technology awareness increased

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Public Science and Technology awareness increased

SCIENCE AND TECHNOLOGY INFORMATION PROGRAM

Outcome Indicator

1. Percentage increase in public S&T awareness survey

-

5%

Output Indicators

1. Percentage of clients who rate the library services as satisfactory or better

90%

90%

2. Number of STARBOOKS sites installed

100

100

3. Number of promotion services and advocacy activities conducted

1,408

1,103

S. TECHNOLOGY APPLICATION AND PROMOTION INSTITUTE

STRATEGIC OBJECTIVES

SECTOR OUTCOME

1. Technology adoption promoted and accelerated
2. Innovation stimulated

ORGANIZATIONAL OUTCOME

Filipinos protecting and venturing for innovative and emerging technology-based projects increased

PERFORMANCE INFORMATION

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

BASELINE

2018 TARGETS

Filipinos protecting and venturing for innovative and emerging technology based projects increased

TECHNOLOGY APPLICATION AND INVENTION DEVELOPMENT PROGRAM

Outcome Indicators

1. Percentage increase in Intellectual Property protection filing for local technologies in the IPO Philippines

163

228

2. Percentage increase in the commercialization and adoption by industry / community of technologies diffused / supported

5%

5%

Output Indicators

1. Number of pre-commercialization support provided for technologies

54

75

2. Number of inventions, innovations and technologies promoted and commercialized

46

52

3. Percentage of requests that are acted upon within 3 days of request

96%

90%

4. Number of technical advisory services rendered

1,495

1,650