

# BUDGET The United States Department of the Interior JUSTIFICATIONS

and Performance Information Fiscal Year 2017

### OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT

NOTICE: These budget justifications are prepared for the Interior, Environment and Related Agencies Appropriations Subcommittees. Approval for release of the justifications prior to their printing in the public record of the Subcommittee hearings may be obtained through the Office of Budget of the Department of the Interior.



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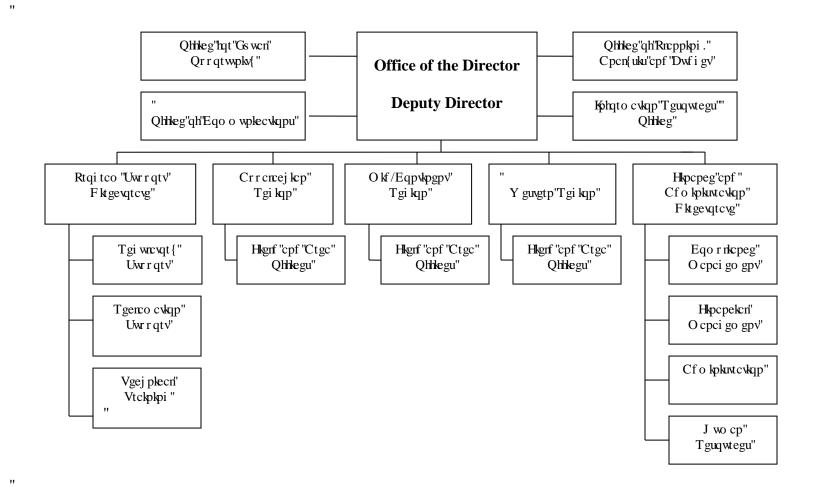
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### Office of Surface Mining Reclamation and Enforcement



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# TAB 1 General Statement

#### GENERAL STATEMENT

### **Overview**

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### Responsible Production of Coal Title V of SMCRA (State and Tribal Regulatory Grants)

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### Restoration of Lands Left Unreclaimed Title IV (Abandoned Mine Land Reclamation)

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<sup>6&</sup>quot;Cu'cwj qtkl gf "d{ "vj g'Gpgti { "Rqrke{ "Cev'qh'3; ; 4"cpf "Ugerkqp"932"\*k+"qh"UOETC0' WUUF gr ctvo gpv'qh"vj g"Kpvgtkqt."Utcvgi ke"Rrcp"hqt"Huecn'[ gctu'4236/423: .'O kuukqp"Ctgc"30

The second proposal is to end permanent appropriation payments to States and Tribes that have finished restoring their abandoned coal mines, eliminating payments of \$61 million in 2017 and saving \$520 million over the next ten years. These payments currently can be used for any purpose and therefore may not, necessarily, contribute to the goal of addressing abandoned mine hazards.

Third, the budget proposes to restore coal fees to the 1977 levels which were in effect until an amendment to SMCRA reduced the fees. The proposal to return the fees to historic levels will generate an additional \$49 million in 2017 that will be used to reclaim priority abandoned mine sites and address over \$6 billion in remaining high priority AML sites nationwide.

Fourth, the budget proposes to build off of the successes of the coal AML program to create a parallel program for hardrock AML reclamation. Similar to the coal industry, the hardrock industry has left a legacy of abandoned mine sites that create health, safety, and environmental hazards. Currently, no hardrock reclamation fee exists to provide revenue to a dedicated hardrock reclamation fund, which leaves States, Tribes, and Federal land managers to address these sites as part of their general revenue budgets or with funds from the coal AML Fund when possible.

Finally, the budget proposes to provide for retired coal miners and their families by revising the formula for general fund payments to the 1993 UMWA Health Benefits Plan. All beneficiaries enrolled in the Plan as of enactment of the proposal will be considered, as well as those retirees whose health benefits were eliminated or reduced as the result of a bituminous coal industry bankruptcy proceeding commenced in 2012. Additionally, the proposal would transfer funds through the Pension Benefit Guaranty Corporation to the trustees of the 1974 UMWA Pension Plan and Trust (1994 Pension Plan) in order to ensure the Plan's long-term solvency. The 1974 Pension Plan, which covers more than 100,000 mineworkers, is underfunded and approaching insolvency.

(See the Permanent Appropriations Section for more details.)

#### **Applied Science Projects and Technological Advances**

The President's Budget continues to promote research and development, scientific investments, and monitoring to best manage the country's natural resources and heritage. Continued and enhanced coordination of science activities across bureaus will be required to achieve the Department's important mission objectives. The 2017 budget facilitates this need by better supporting integrated efforts to achieve resource management outcomes.

OSMRE has identified several key areas for investment where coordination with other Department bureaus will leverage results to more effectively achieve mission outcomes. OSMRE uses emerging technologies, tools and methodologies to elevate the understanding of resources related to coal mining on a landscape-level as envisioned in the Department's Strategic

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### **Engaging the Next Generation**

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### **Budget Highlights**

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<sup>9&</sup>quot;Vj ku"co qwpv"f qgu"pqv"kpenwf g"8322.222"kp"ekxkri'r gpcnv{ "cwyj qtkx{ "qt"qhhugwkpi "eqmgevkqpu0""

In addition to discretionary appropriations, the budget includes \$339.0 million in mandatory funding for reclamation grants to States and Tribes, and for United Mine Workers of America (UMWA) health benefit plans under current law. An additional \$200 million is proposed to accelerate reclamation of AML sites and revitalize coal country communities, and an additional \$375.4 million is proposed to strengthen the health care and pension plans that provide for the health and retirement security of coal miners and their families. Mandatory funding is further described under the Permanent Appropriations Section.

A summary table of the budget is shown below. Increases and decreases are detailed by account, activity and sub-activity in the table contained in the Budget-at-a-Glance Section.

Total FY 2017 Budget Request (Dollars in thousands)

<b>Budget Authority</b>	2016 Enacted	2017 Request	Change from 2016
Regulation &	Ziiucicu		2010
Technology*	123,253	127,550	+4,297
Abandoned Mine	123,233	127,330	+4,271
Reclamation Fund	117,303	30,375	-86,928
Teetamaton I and	117,303	30,373	00,720
Total, Discretionary	240,556	157,925	-82,631
	·	FY 2017	
		Projections**	
Payments (or Grants) to			
States in Lieu of Coal	303,373	0	-303,373
Fee Receipts (Treasury			
Funds)			
Mandatory Grants to			
Non-Certified States	163,150	174,300	+11,150
(AML Funds)		• • • • • • •	• • • • • • •
AML Redevelopment	0	200,000	+200,000
Funds Transferred to			
UMWA Health Benefit	179,521	164,689	-14,832
Plans (both AML and			
Treasury funds)	0	255 425	255 425
New proposal for health	0	375,435	+375,435
and pension funds			
Total, Mandatory	646,044	914,424	+268,380
Total, OSMRE	886,600	1,072,349	+185,749

<sup>\*</sup> Estimated civil penalty collections of \$100,000 and offsetting collections are not included.

<sup>\*\*</sup> Projections include proposals to advance abandoned coal mine reclamation and economic revitalization of communities, and to terminate payments to certified States and Tribes. See Legislative Proposal under the Permanent Appropriations Section for more details.

The FY 2017 budget provides \$65.5 million (41 percent) of OSMRE's discretionary funds in grants to the States and Tribes for regulatory programs. OSMRE will use the balance of the budget to provide technical assistance to the States, conduct oversight responsibilities, and carry out its fiscal responsibilities for collecting revenues and awarding grants. OSMRE implements these programs through three regional and 15 field and area offices.

### President's Management Agenda

The Department of the Interior supports the President's Management Agenda to build a better government, one that delivers continually improving results for the American people and renews their faith in government. OSMRE is actively involved in the government-wide effort to bring forward the most promising ideas to improve government effectiveness and efficiency, spur economic growth, and promote people and culture. OSMRE supports achievement of the President's Management Agenda objectives in these four pillars as described in the examples below:

Government Effectiveness by Advancing Technologies. As previously mentioned, OSMRE's GeoMine Project is an interactive geospatial data sharing system for State and Federal agencies that have responsibilities regarding coal mining activities and decisions. OSMRE completed its two-year pilot project where it partnered with SMCRA regulatory programs in Kentucky, Tennessee, Virginia, West Virginia, and Federal agencies involved in SMCRA, Clean Water Act (CWA) and Endangered Species Act (ESA) regulation and consultation (EPA, Fish and Wildlife Service, Army Corps of Engineers) to develop the GeoMine interactive digital map of coal mining and reclamation activities. The phased deployment of the GeoMine system to collect and provide access to SMCRA data nationwide is underway. This system will facilitate efficient and effective environmental reviews, permit planning, inspections, etc., among various DOI Bureaus, the States, and other Federal agencies.

#### Working with the States and Tribes on Efficiencies

OSMRE is continuing its work with the States and Tribes from FY 2015 on reviewing solutions to issues identified by three workgroups:

- 1. SMCRA Program Financial Stability Work Group charged with developing options that would provide alternative, stable means of fiscal support to enable the States and OSMRE to fulfill their statutory obligations. OSMRE continues to explore potential cost recovery of fees for services with the States and Tribes as OSMRE moves forward with finalizing its proposed rule to support cost recovery for Federal Programs, including Indian Lands, where it is the regulatory authority.
- 2. Training/TIPS Sustainability Work Group charged with creating a unified training/TIPS program in order to reduce costs and to enable the efficient delivery of all training and TIPS needs of the States, Tribes and OSMRE. OSMRE continues to meet with the subject matter experts and realize savings by combining methods and operations as

### Office of Surface Mining Reclamation and Enforcement

appropriate. More detailed plans need to be developed to identify future changes/potential.

3. Program Efficiency Work Group – charged with identifying program areas where OSMRE and the States can improve their efficiency so they can continue to fulfill their statutory obligations. OSMRE is reviewing several issues raised, such as the time it takes to review State Program Amendments, and Ten-Day Notice processing, to identify where processes may be improved. Additional legal support is needed and is included in the budget request.

Review and initial implementation of the work groups' concepts and recommendations will continue in FY 2016 and FY 2017.

Examples of other efforts underway include data center consolidation, the use of technology to conduct meetings via electronic media instead of travel, and reduction/consolidation of space (rent).

<u>Proposals for Economic Growth</u>. As described previously, the budget proposes to improve major components of the AML program in an effort to increase total funding available for the reclamation of abandoned mines which will accelerate the completion of priority abandoned coal problems, create jobs, and revitalize communities impacted by this legacy of historic mining practices. These proposals, coupled with the requests for applied sciences and GeoMine efforts to advance technologies, will create better value for dollars spent on reclamation while assisting coal country communities.

<u>Future Workforce</u>. Several efforts propose additional resources to utilize the full potential of the workforce we have today and build the workforce for tomorrow. Providing opportunities for youth to participate in the expansion of OSMRE's reforestation of reclaimed mine lands, increases in technical staff, and work with the GeoMine Project, along with other mission critical work, is just the start of developing the workforce of the future. Also, providing leadership opportunities in these program areas will utilize current workforce skills.

### **Performance Summary**

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### • Climate Change Adaptation

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### Implementing the Surface Mining Control and Reclamation Act (SMCRA) – Effective Partnerships

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QUO TG" y km' eqpvkpwg" kuu ghhqtvu" vq" guvcdnkuj "r ctvpgtuj kr u" vq" ko r tqxg" cpf "kpetgcug" qwxtgcej "ghhqtvu' y cv'cmqy "hwm'r ctvkekr cvkqp"htqo "kwu'uvcngj qnf gtu'kp' cf f tguukpi "eqo o qp"r tqdngo u0"Vj gug" kpkkcvkxgu'y km'cuukuv'QUO TG"kp"hqti kpi "cp"gpf wtkpi "dqpf "cpf" r ctvpgtuj kr "y kij "kwu'uvcngj qnf gtu0" "

 $Vq"dgwgt"ugtxg"ku"rctvpgtu"cpf "vj~g"r~wdrke."QUO~TG"eqpvkpwgu"vq"ko~rtqxg"ku"cdcpf~qpgf~"o~kpg"ukkg"f~cvcdcugu"vq"kpenwf~g"cm"grki~kdrg"cdcpf~qpgf~"o~kpg"ukkgu0"kp"cf~f~kklqp."QUO~TG/vu"y~gdukkg"eqpvckpu"~eqo~rtgj~gpukxg"kplqto~cvkqp"qp"tgi~wrcvqt~{"cpf~'tgerco~cvkqp"o~cwgtu0""}$ 

Cu'o kpkpi "cpf "gpi kpggtkpi "kphqto cvkqp" yej pqmi { "eqpvkpwgu" yq"ko rtqxg."QUOTG "eqpvkpwgu" yq rtqxkfg" yq" Uvcvgu" cpf "Vtkdgu" yjg" o quv' wr/yq/fcvg" kphqto cvkqp." yej pkecn" vtckpkpi." yej pkecn" cuukuvcpeg. "cpf "vgej pqmi { "vtcpuhgt0'Vj gug" rtqi tco u"i tgcvn{ "j grr "yjg" Uvcvgu" cpf "Vtkdgu" qrgtcvg" yjgkt "tgi wrcvqt { "cpf "tgerco cvkqp" rtqi tco u"kp'hwrhkrrkpi "UOETCøu'tgs wktgo gpvu0'

### $\underline{F\,cvc''\!Xcrk\!f\,cv\!k\!qp'\!cpf''\!Xgtk\!h\!\!ecv\!k\!qp''}$

 $\label{eq:local_control_cont$ 

Vj g"cppwcn'ugnh/cuuguuo gpv'd{"r tqi tco "o cpci gtu"eqo r nkgu"y kyj "vj g"F gr ctvo gpv'qh'vj g"Kpvgtkqtøu" F cvc" Xcnkf cvkqp" cpf "Xgtkhkecvkqp" I wkf cpeg() "Vj g"cuuguuo gpv'eqxgtu" vj g"o clqt" ctgc" qh" f cvc"

### Qllkeg"qllUnt h:eg"O kpkpi "Tgenco cvkqp"cpf "Gplqt ego gpv"

xcnlf cvlqp"cpf "hkxg"ctgcu"y ky kp"f cvc"xgtlhlecvlqp0""Vj g"hkxg"ctgcu"f gcnlpi "y ky "f cvc"xgtlhlecvlqp" ctg<"uvcpf ctf u"cpf "r tqegf wtgu="f cvc"gpvt { "cpf "vcpuhgt="f cvc"ugewtkv{ "cpf "kpvgi tkv{="f cvc"s wcnkv{ "cpf "rho kcvlqpu="cpf "qxgtuki j v'cpf "egtvlhlecvlqp0""Vj ku"cuuguuo gpv'y km'dg"xcnwcdng"kp"vguvkpi "hqt" r qvgpvlcn'y gcnpguugu"qt"i cr u. "cpf "y km'gngxcvg"f cvc"xcnlf cvlqp"cpf "xgtlhlecvlqp"u{uvgo u"vq"gpuwtg" cp"ceegr vcdng'hwpevlqpcn'ngxgn0""

QUO TG" eqnrgewi"kphqto cvkqp" yi tqwi j "xctkqwu"u{uvgo u"htqo "o wnkr ng"kpvgtpcn"qr gtcvkqpu"cpf" htqo "48"Uvcvgu"cpf "6"Kpf kcp"Vtkdgu"r ctvkekr cvkpi "kp"QUO TG"r tqi tco u0'Cdcpf qpgf "O kpg"Ncpf "Rtqi tco "kphqto cvkqp" ku" eqnrgevgf "yi tqwi j "yi g"Cdcpf qpgf "O kpg"Ncpf "Kpxgpvqt {"U{uvgo "\*g/CO NKU+:"cp" qpnkpg" kpxgpvqt {"wugf "d{" yi g"Uvcvg" Tgenco cvkqp" Rtqi tco u"cpf "o ckpvckpgf "d{" QUO TG0""Kp"ceeqtf cpeg"y kyi "yi g"tgs wktgo gpvu"qh"UO ETC."g/CO NKU"eqpvckpu"f cvc"hqt"npqy p" Rtkqtkx{"3"cpf "4"CO N"r tqdngo u"cu"f ghkpgf "d{"UO ETC0"QUO TG"tgeqi pk gu"yi cv"f cvc"o wuv'ugtxg" yi gkt"kpvgpf gf "r wtr qugu"cpf "uvcpf "wr "vq"kpf gr gpf gpv."qdlgevkxg"gzvgtpcn"kpur gevkqp."cu"y gm"cu"vq" kpvgtpcn"eqpvtqn"tgxkgy u"cpf "cvk ku0"F cvc"eqnrgevkqp"o gyi qf u"ctg"eqpf wevgf "kp"ceeqtf cpeg"y kyi "cp"ci gpe{"r qnke{"f ktgevkxg"f gxgnqr gf "kp"eqqr gtcvkqp"y kyi "yi g"Uvcvgu0'

Tgi wcvqt {"Rtqi tco "f cvc"eqmgevlqp"o gyi qf u"ctg"cmq"eqpf wevgf "kp"ceeqtf cpeg"y kj "cp"ci gpe {" r qnle { "f ktgevlxg."y j kej "y cu"f gxgmr gf "kp"eqqr gtcvlqp"y kj "y g"Ucvgu0'QUO TG"cwqo cvgf "y g" f cvc"eqmgevlqp"hqto u"eqpvckpgf "kp"y g"f ktgevlxg"vq"ew'f qy p"qp"gttqtu"kp"y g"vtcpulgt"qh'f cvc"htqo " j ctf "eqr { "vq"gngevtqpke"hqto 0"Egtvlhlecvlqp"qh'y g"f cvc"ku"cmq"tgs wktgf "cv'y g"hkgnf "ngxgn'y j gtg"y g" f cvc"ku"eqmgevgf 0'Vj g"f cvc"ku"pqy "eqmgevgf "htqo "QUO TG"hkgnf "qhhlegu"y tqwi j "cp"kpvgtpgv/dcugf " u{uvgo 0""

 $\label{thm:condition} Ewuvqo\ gt"ugtxkeg"lphqto\ cvkqp"hqt"vj\ g"Vgej\ pqmi\ \{"F\ gxgmr\ o\ gpv'cpf\ "Vtcpuhgt"r\ tqi\ tco\ u"ctg"dcugf\ "qp"ewuvqo\ gt"uwtxg{"hqto\ u"cpf\ "encuu"vtckpkpi\ "tgeqtf\ u0"}$ 

### **Appropriations Language**

### **Regulation and Technology**

Hqt"pgeguuct {"gzr gpugu"vq"ectt {"qwv"y g"r tqxkukqpu"qh"y g"Uwthceg"O kpkpi " Eqpvtqr" cpf " Tgerco cvkqp" Cev" qh" 3; 99." Rwdrke" Ncy "; 7/: 9." ]&45.475.222\_"&349.772.222."vq"tgo ckp"cxckrcdrg"wpvkri'Ugr vgo dgt"52." ]4239\_"423: <"Rtqxkf gf."Vj cv"crrtqrtkcvkqpu"hqt"yj g"Qhhkeg"qh"Uwthceg" O kpkpi "Tgerco cvkqp"cpf "Gphqtego gpv'o c {"r tqxkf g"hqt"yj g"vtcxgri'cpf "r gt" f kgo "gzr gpugu"qh"Uvcvg"cpf "vtkdcri'r gtuqppgri'cwgpf kpi "Qhhkeg"qh"Uwthceg" O kpkpi "Tgerco cvkqp"cpf "Gphqtego gpv'ur qpuqtgf "vtckpkpi 0""

Ko"cf f kkqp."hqt"equvu"vq"tgxkgy ."cf o kpkrvgt."cpf "gphqteg"r gto ku"kuwgf" d{"vj g"Dwtgcw'r wtuwcpv'vq"ugevkqp"729"qh"Rwdrke"Ncy "; 7/: 9"\*52"WUE0' 3479+" ]&62.222\_" &3.; 22.222." vq" tgo ckp" cxckrcdrg" wpvkri gzr gpf gf <"Rtqxkf gf ."Vj cv'hggu"cuuguugf "cpf "eqmgevgf "d{"vj g"Dwtgcw'r wtuwcpv'vq" uwej "ugevkqp" 729" uj cmi dg" etgf kgf "vq" vj ku" ceeqwpv' cu" f kuetgvkqpct {"qhrugwkpi "eqmgevkqpu." vq" tgo ckp" cxckrcdrg" wpvkri gzr gpf gf <""Rtqxkf gf" hrt vj gt. "Vj cv'vj g"uwo "j gtgkp"cr r tqr tkcvgf "htqo "vj g"i gpgtcrihwpf "uj cmi'dg" tgf wegf "cu"eqmgevkqpu"ctg"tgegkxgf "f wtkpi "vj g"hkuecni'{gct."uq"cu"vq"tguwn' kp"c"hkuecni'{gct"]4238\_""4239"cr r tqr tkcvkqp"guvko cvgf "cv'pqv'o qtg"vj cp" |8345.475.222\_"&349.772.2220"

\*F grct vo gpv" qh" vj g" Kpvgt kqt." Gpxkt qpo gpv." cpf " Tgrcvgf " Ci gpekgu" Crrt qrt kcvkqpu'Cev. '42380+'' **Abandoned Mine Reclamation Fund**"

Hqt"pgeguuct { "gzr gpugu"vq"ectt { "qw"vkrg"KX"qh"vj g"Uwthceg"O kpkpi " Eqpytqrl' cpf "Tgerco cylap" Cev' qh' 3; 99. "Rwdrle" Ncy "; 7/: 9." ] & 29.525.222\_" & 52.597.222." vq" dg" f gtkxgf "htqo "tgegkr vu" qh" yj g" Cdcpf qpgf "O kpg"Tgerco cskqp"Hwpf "cpf "vq"tgo ckp"cxckrcdrg"wpskil gzr gpf gf <' Rt qxlf gf ." Vj cv' r wtuwcpv' vq" Rwdrle" Ncy "; 9/587." vj g" F gr ctvo gpv"qh"yj g" Kpvgtkqt"ku"cwj qtkl gf "vq"wug"wr "vq"42"r gtegpv" htqo "vj g"tgeqxgt { "qh"vj g"f grkps wgpv"f gdv"qy gf "vq"vj g"Wpksgf "Uvcvgu" I qxgtpo gpv"vq"r c{"hqt"eqpvtcevu"vq"eqmgev"vj gug"f gdvv<"Rt qxkf gf" hut yj gt."Vj cv"hwpf u"o cf g"cxckrcdrg"wpf gt"\krg"KX"qh"Rwdrle"Ncy "; 7/ : 9"o c{"dg"wugf "hqt"cp{"tgs wktgf "pqp/Hgf gtcn'uj ctg"qh"vj g"equv'qh" rtqlgevu" hwpf gf "d{" yj g" Hgf gtcn" I qxgtpo gpv' hqt" yj g" rwtr qug" qh" gpxktqpo gpvcn'tguvqtcvkqp"tgrcvgf "vq"vtgcvo gpv'qt"cdcvgo gpv'qh'cekf " o kpg"f tckpci g"htqo "cdcpf qpgf "o kpgu<" Rt qxkf gf "hvt vj gt." Vj cv"uwej " rtqlgevu"o wuv"dg"eqpukuvgpv"y kyj "vjg"r wtrqugu"cpf "rtkqtkkgu"qh"vjg" Uwthceg" O kpkpi "Eqpytqn" cpf "Tgenco cykqp" Cev." Rt axkf gf "hut vi gt." Vj cv'co qwpwu"r tqxkf gf "wpf gt" yj ku"j gcf kpi "o c{"dg"wugf "hqt" yj g" vtexgn'epf "r gt "f kgo "gzr gpugu"qh"Uvevg"epf "vtkden'r gtuqppgn'evvgpf kpi " Ohhleg "qh" Uwthceg "Okokoi" "Tgenco cylap" cpf "Gphqtego gpv" ur qpuqtgf" vtckokoi 0""

| Ko"cff kkap."& 2.222.222"vq"t go ckp"cxckvcdng"wpvki'gzr gpf gf."hqt" itcpwi'vq"Ucvgu'hqt"t genco cvkap"qh'cdcpf qpgf "o kpg"ncpf u'cpf "qvj gt" tgncvgf "cevkxkkgu'kp"ceeqtf cpeg"y kj "vj g"vgto u'cpf "eqpf kkapu'kp"vj g" gzrncpcvqt {" uwcvgo gpv" f guetkdgf" kp" ugevkap" 6" \*kp" vj g" o cwgt" rt gegf kpi "f kxkukap"C"qh'vj ku"eqpuqnkf cvgf "Cev="Rt qxkf gf."Vj cv'uwej "cff kkapcn" co qwpv" uj cni' dg" wugf "hqt" geapqo ke" cpf "eqo o wpkkf" f gxgnqro gpv'kp"eaplwpevkap"y kj "vj g"rt kqt kkgu'kp"ugevkap"625\*c+"qh' vj g" Uwt hceg" O kpkpi "Eapvt qn' cpf" T genco cvkap" Cev' qh' 3; 99" \*52" WULEO'3455\*c+="Rt qxkf gf" hwt vj gt."Vj cv''uwej "cff kkapcn''co qwpv'' uj cm''dg"f kut kdwyf "kp"gs wcn'co qwpwu"vq"vj g"5"Crrcncej kcp"Ucvyu" y kj "vj g"i t gcvguv''co qwpv''qh'wphwpf gf "pggf u"vq"o ggv'vj g"rt kqt kkgu'' f guetkdgf "kp" rctci tcrj u" \*3+"cpf" \*4+"qh' uwej "ugevkap <"Rt qxkf gf" hwt vj gt."Vj cv''uwej "cff kkapcn''co qwpv''uj cni'dg"cnqecvgf "vq"Ucvyu" y kj kj kp'82"f c{u'chgt "vj g"f cvg'qh'gpcevo gpv'qh'vj ku''CevO\_"

\*F grct vo gpv" qh" vj g" Kpvgt kqt." Gpxkt qpo gpv." cpf "Tgrcvgf" Ci gpekgu" Crrt qrt kcvkqpu' Cev. "42380+"

"

### **Justification of Proposed Language Changes**

### **Regulation and Technology**

Ej cpi g"f qmct"co qwpv" Kp"cf f kkqp. "Iqt "equu" 'q"t gxkgy ."cf o kpkugt."cpf" "
gplqteg" r gt o ku'kuwgf "d{" 'y g"Dwt gcw'r wt uwc pv' 'q" 'ugeskqp" 729" qh'Rwdrke" "
Ncy"; 7/: 9"\*52" WOUEO' 3479+" &3.; 22.222." 'vq"t go ckp" cxckrcdrg" wpvkri' "
gzr gpf gf <"Rt qxkf gf ."Vj cv" hggu" cuuguugf "cpf" eqmgevgf "d{" 'y g"Dwt gcw'' "
rwt uwc pv" vq" uwej " ugeskqp" 729" uj cm' dg" et gf kvgf" vq" yj ku" ceeqwpv" cu"
f kuet gskqpct {"qhugwkpi "eqmgeskqpu." 'vq"t go ckp" cxckrcdrg" wpvkri'gzr gpf gf <" "
Rt qxkf gf "hwt yj gt."Vj cv'' yj g"uwo "j gt gkp" crrt qrt kcvgf "ht qo "yj g"i gpgt cn' "
hwpf 'uj cm'dg't gf wegf "cu" eqmgeskqpu" ct g't gegkxgf 'f wt kpi "yj g"hwecn' gct." "
uq" cu" vq" t guwn' "hp" c"hwecn' { gct ""4239" crrt qrt kcvkqp" guwo cvgf "cv' pqv' "
o qt g'' yj cp" &349.772.2220"

QUO TG"kı"hkpcık kpi "ku"equv'tgeqxgt {"twrgo cnkpi "cpf "cpvkekr cvgu"cp" kpetgcug'kp'y g''qhhugwkpi "eqnrgevkqpu"cxckrcdrg"wpf gt "ku'pgy 'tgi wrcvkqpu0" Vj gtghqtg."y g"r tqr qug"c"ej cpi g"htqo "&62.222"vq" &3.; 22.222"kp" yj g" cr r tqr tkcvkqpu'rcpi wci g0""

### Abandoned Mine Reclamation Fund"

F grgyg<"'Kp"cff kkap."& 2.222.222"vq"t go ckp"cxckrcdrg"wpvkt'gzr gpf gf."

hqt "i tcpwi'vq"Ucvgu'lqt"t gerco cvkap"qhlcdcpf qpgf "o kpg"rcpf u'cpf "qvj gt"

t grcvgf "cevkxkkgu"kp"ceeqtf cpeg"y kj "vj g"vgto u"cpf "eqpf kkappu"kp"vj g"

gzrrcpcvqt{"wcvgo gpv'f guet kdgf "kp"ugevkap"6"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*pp" g"o cwgt "rt gegf kpi "

f kxkukap"C"qh' vj ku"eqpuqrkf cvgf "Cev\="Rt qxkf gf."Vj cv"uwej "cf f kkapcrl"

co qwpv"uj crn' dg" wugf "hqt" geapqo ke"cpf "eqo o wpk\{"f gxgrqro gpv"kp"

eqplwpevkap"y kj "vj g"rt kqt kkgu"kp"ugevkap"625\*c+"qh'vj g"Umt kceg"O kpkpi "

Eqpvt qn' cpf "T gerco cvkap"Cev'qh'3; 99"\*52"WUUEO'3455\*c+="Rt qxkf gf"

hut vj gt."Vj cv"uwej "cf f kkapcri'co qwpv"uj crn' dg"f kut kdwxgf "kp" gs wcn'

co qwpwi" vq" vj g"5" Crrcrcej kcp" Ucvyu"y kj "vj g"i t gcvyuw'co qwpv' qh'

wphwpf gf "pggf u"vq"o ggv'vj g"rt kqt kkgu"f guet kdgf "kp"rct ci t crj u"\*3+"cpf"

\*4+"qh'uwej "ugevkap<"Rt qxkf gf 'hwt vj gt."Vj cv'uwej "cf f kkapcri'co qwpv'uj cm'

dg"crnqecvgf "vq"Ucvyu'y kj kp"82"f c {u'chyt" vj g"f cvg"qh'gpcevo gpv'qh'vj ku''

CevO'

Vj ku"ej cpi g"f grgvgu"vj g"H[ "4238"crrtqrtkcvkqp"rcpi wci g"vj cv'rtqxkf gf" & 2" o kmkqp" kp" f kuetgvkqpct {"CON" i tcpvu" vq" vj tgg" Uvcvgu" htqo "vj g" i gpgtcn"hwpf "\*Vtgcuwt {+"hqt"vj g"tgerco cvkqp"qh"cdcpf qpgf "o kpg"rcpf u"kp" eqplwpevkqp" y kvj " geqpqo ke" cpf " eqo o wpkv{" f gxgmqr o gpv" cevkxkvkgu0" Vj g" 4239" tgs wguv" kpenwf gu" c" ngi kurcvkxg" rtqrqucn' hqt" c" o qtg" eqo rtgj gpukxg" crrtqcej "vq" tgerco cvkqp" cpf " geqpqo ke" f gxgmqr o gpv' wpf gt"vj g"RQY GT- "Rrcp0"

### **Appropriations Language and Citations**

### **Regulation and Technology**

Hqt"pgeguuct {"gzr gpugu"vq"ectt {"qw"yi g"r tqxkukqpu"qh"yi g"Uwthceg" O kpkpi "Eqpvtqri'cpf "Tgemo cvkqp"Cev"qh"3; 99. "Rwdrke"Ncy "; 7/: 9." ]&45.475.222\_"&49.772.222."\q"tgo ckp"cxckmdrg"wpvkri'Ugr vgo dgt" 52."]4239\_"423: <"Rt qxkf gf."Vj cv'cr r tqr tkcvkqpu"hqt"vj g"Qhhkeg"qh" Uwthceg"O kpkpi "Tgemo cvkqp"cpf "Gphqtego gpv'o c {"r tqxkf g"hqt"vj g" vcxgri'cpf "r gt"f kgo "gzr gpugu"qh''Uvcvg"cpf "vtkdcri'r gtuqppgri'cwgpf kpi "Qhhkeg"qh''Uwthceg"O kpkpi "Tgemo cvkqp"cpf "Gphqtego gpv'ur qpuqtgf" vtckpkpi 0""

Kp"cf f kkqp."hqt"equu" vq"tgxkgy ."cf o kpknyt."cpf "gphqteg"r gto ku" kunwgf "d{"y g"Dwtgcw'r wtuwcpv'vq"ugevkqp"729"qh"Rwdrke"Ncy "; 7/: 9" \*52"WUE0'3479+"]&62.222\_"&3.; 22.222."vq"tgo ckp"cxckrcdrg"wpvkrl gzr gpf gf <" Rtqxkf gf ." Vj cv' hggu" cuuguugf " cpf " eqmgevgf " d{" vj g" Dwtgcw'r wtuwcpv' vq" uwej " ugevkqp" 729" uj cm' dg" etgf kkgf " vq" vj ku" ceeqwpv'cu"f kuetgvkqpct {"qhhugvkpi "eqmgevkqpu."vq"tgo ckp"cxckrcdrg" wpvkrlgzr gpf gf <" Rt qxkf gf "hut vj gt ." Vj cv'vj g'uwo "j gtgkp"cr r tqr tkcvgf " htqo "vj g"i gpgtcn'hwpf "uj cm'dg"tgf wegf "cu"eqmgevkqpu"ctg"tgegkxgf " f wtkpi "vj g"hkuecn' {gct."uq"cu"vq"tguvnv'kp"c"hkuecn' {gct"]4238\_""4239" cr r tqr tkcvkqp" guvko cvgf " cv' pqv' o qtg" vj cp" ] &345.475.222\_" &349.772.2220'

52" WUEO' 3482." 348: " ó" Vj gug" ugevkqpu" r tqxkf g" hqt" vj g cuuguuo gpv'cpf "eqngevkqp"qh'r gpcnkgu"ngxkgf "hqt"xkqncvkqpu"qh'vj g" Cev."cpf "hqt"vj g'f gpkcn'qh'r gto kuu'vq'vj qug'y kvj "wpcdcvgf "xkqncvkqpu"qt'wpr ckf 'r gpcnkguO'

52"WUE03474."3475."3476."3493."3494."3495."34; 7."3522."3524 ó Vj gug" ugevkqpu" r tqxkf g" hqt" ckf " vq" cm' r tko ce{" Uvcygu" hqt o ckpvckpkpi "crrtqxgf "tgi wrcyqt {"r tqi tco u"cpf "gxcnwckqp"qh" yj g" Uvcyguø'r gthqto cpeg"kp"f qkpi "uq="o qpkqtkpi "ko r ngo gpvckqp"qh" yj g" i tcpv" r tqi tco u=" uo cm" qr gtcyqt" cuukuvcpeg" r tqi tco u=" cpf " hqt" tgi wrcyqt {" r tqi tco u" kp" Uvcygu" y kyj qwv" crrtqxgf " r tqi tco u." qp" hgf gtcn'rcpf u'cpf "qp"kpf kcp'rcpf u="r tqeguukpi "qh'r gto ky'crr nkeckqpu" cpf "o kpg"r ncpu"hqt"hgf gtcn'rcpf u"qr gtcykqpu="f guki pcykpi "qh'rncpf u" wpuwkxcdng" hqt" uwthceg" o kpkpi " yi tqwi j " yeej pkecn' tgxkgy u=" uekgpykhke lgpi kpggtkpi " uwr r qtv' cpf " yeej pkecn' vtckpkpi " hqt" Uvcygu" qr gtcykpi "crr tqxgf "r gto cpgpy'r tqi tco u"cpf "hgf gtcm("cf o kpknygtgf" r tqi tco u=" kpkkkcykqp" qh" yeej pkecn' uwxf kgu=" kuuwcpeg" qh" yeej pkecn' vdnkecykqpu="crr tqxcn'qh"gzr gtko gpycn'r tceykegu"yq"o ggy'yj g"pggf u" qh"crr tqxgf "Uvcyg"r tqi tco u"cpf "hgf gtcm(/cf o kpknygtgf "r tqi tco u=" r tgr ctcykqp" qh" gpxktqpo gpycn' cuuguuo gpyu" cpf " gpxktqpo gpycn'

korcev"uvcvgogpvu"hqt"rgtokvu"cpf "qvjgt"cevkqpu="cpf"vtckpkpi"qh"QUOTG"uvchh"cpf"Uvcvg"uvchh"vq"gpcdrg"vjgug"cigpekgu"vq"oqtg"ghhgevkxgn("ectt{"qwv'vjg"rtqxkukqpu"qh'vjg"cev0'

52"WUE0'3479."cu"co gpf gf "d{"Rwdrke"Ncy u"323/72: "cpf "324/6: 8"/"Rtqxkf g"hqt"yi g"tgi wcvqt {"cwj qtk\{"vq"f guki pcvg"c"s wcrkhkgf " rdqtcvqt {"vq"qdvckp" yej pkecn' kphqto cvkqp" cpf "rtgr ctg" yej pkecn' kpf kpi u'tgs wktgf "d{"vj g"qr gtcvqt"hqt"vj g"r gto kv'cr r rkecvkqp."cpf "hqt" yi g" tgi wcvqt {" cwj qtk\{" vq" cuuwo g" yi g" equv" hqt" uwej " ugtxkegu0' Hwtyi gt."vj g"Cev'rtqxkf gu"hqt"vj g"Ugetgvct {"vq"rtqxkf g"qt"cuuwo g"yi g" equv" qh" vtckpkpi " hqt" tgi wcvqt {" rtqi tco " eqo r rkcpeg" cpf " r gto kv' cr r rkecvkqp"rtgr ctcvkqp"hqt"grki kdrg"vo cm'qr gtcvqtu0'

#### Abandoned Mine Reclamation Fund"

 $\label{thm:linear_equation} Hqt"pgeguuct \{ "gzr gpugu"vq"ectt \{ "qwv"vkxrg" KX"qh"vj g"Uwthceg"O kpkpi " linear equation for the second of t$ Eqpytqri' cpf "Tgerco cylqp" Cev" qh" 3; 99. "Rwdrke" Ncy "; 7/: 9." ]&29.525.222\_" &52.597.222." vq" dg" f gtkxgf " htqo " tgegkr wi" qh" vj g" Cdcpf qpgf "O kpg"Tgerco cvkqp"Hwpf "cpf "vq"tgo ckp"cxckrcdrg"wpvkri" gzr gpf gf <' *Rt qxlf gf* ." Vj cv' r wtuwcpv' vq" Rwdrle" Ncy "; 9/587." yj g" F gr ctvo gpv"qh" yj g" Kovgtkqt" ku" cwwj qtkt gf "vq" wug" wr "vq" 42" r gtegpv" htqo "vj g"tgeqxgt { "qh"vj g"f grkps wgpv"f gdv"qy gf "vq"vj g"Wpkgf "Uvcvgu" I qxgtpo gpv"vq"r c{"hqt"eqpvtcevu"vq"eqmgev"yj gug"f gdvv<"Rt qxkf gf " hwt yj gt. "Vj cv'hwpf u'o cf g''cxckrcdrg''wpf gt "kwrg''KX"qh''Rwdrke''Ncy "; 7/ : 9"o c{"dg"wugf "hqt"cp{"tgs wktgf "pqp/Hgf gtcn'uj ctg"qh''yj g"equv'qh" rtqlgevu" hwpf gf "d{" yj g" Hgf gtcn" I qxgtpo gpv' hqt" yj g" r wtr qug" qh" gpxktqpo gpvcn'tguvqtcvkqp"tgrcvgf "vq"vtgcvo gpv'qt"cdcvgo gpv'qh"cekf " o kpg"f tckpci g"htqo "cdcpf qpgf "o kpgu<" Rt qxkf gf "hvt yj gt ."Vj cv'uwej " rtqlgevu"o wuv"dg"eqpukuvgpv"y kyj "vjg"rwtrqugu"cpf"rtkqtkkgu"qh"vjg" Unthree "O kpkpi" Eqpytqn" cpf "Tgenco cykqp" Cevk" Rt qxkf gf "hwt yj gt." Vj cv'co qwpwu"rtqxkf gf "wpf gt" yj ku"j gcf kpi "o c{"dg" wugf "hqt" yj g" vtexgn'epf "r gt "f kgo "gzr gpugu"qh"Uvcvg"epf "vtkden'r gtuqppgn'evvgpf kpi " Qhhleg"qh"Uwthceg"Olopkpi "Tgencocvkqp"cpf "Gphqtegogpv"ur qpuqtgf " vtckpkpi 0""

]Kp"cff kkqp."& 2.222.222"vq"t go ckp"cxckvcdng"wpvkt'gzr gpf gf."hqt" i tcpwl'vq"Ucvgu'hqt "t gewo cvkqp"qh'cdcpf qpgf "o kpg"rcpf u'cpf "qvj gt" t grvyf "cevkxkkgu'kp"ceeqtf cpeg"y kyj "vj g"vgt o u'cpf "eqpf kkqpu'kp"vj g" gzrwpcvqt {" uwvgo gpv" f guet kdgf " kp" ugevkqp" 6" \*kp" vj g" o cwgt" rt gegf kpi "f kxkukqp"C"qh'vj ku"eqpuqnf cvgf "Cev+"Rt qxlf gf."Vj cv'uwej " cff kkqpcn" co qwpv" uj cm" dg" wugf " hqt" geqpqo ke" cpf " eqo o wpk{" f gxgrqro gpv'kp"eqplwpevkqp"y kj "vj g"rt kqt kkgu'kp"ugevkqp"625\*c+"qh' vj g" Uwt hceg" O kpkpi " Eqpvt qn' cpf " Tgewo cvkqp" Cev' qh' 3; 99" \*52" WUEO'3455\*c+="Rt qxlf gf" hwt vj gt."Vj cv''uwej "cff kkqpcn' co qwpv'' uj cm'dg"f kut kdwyf "kp"gs wcn'co qwpw"vq" vj g"5"Crrcwej kcp"Ucvyu"

y kj "vj g"i t gcvguv'co qwpv'qh'wphwpf gf "pggf u"vq"o ggv'vj g"rt kqt kkgu" f guet kdgf "kp" rctci t crj u" \*3+" cpf " \*4+" qh' uwej "ugevkqp<" Rt qxkf gf "hwt vj gt."Vj cv'uwej "cff kkqpcn'co qwpv'uj cnl'dg"cnqecvgf "vq"Uxvgu" y kj kp'82'f c{u'chgt 'vj g'f cvg'qh'gpcevo gpv'qh'vj ku'CevQ"

52"WUUE03453."3454."3455"cpf "3462"ó"Rtqxkf gu'hqt"yj g"r c {o gpv qh"hggu"cpf "qyj gt"o qpkgu"kpvq"yj g"Cdcpf qpgf "O kpg"T genco cvkqp" hwpf "\*Hwpf +0""Vj g"Hwpf "eqpukuvu"qh"co qwpvu"f gr quksgf "htqo "vko g"vq" vko g."f gtkxgf "htqo "tgenco cvkqp"hggu."f qpcvkqpu."cwf kv"tgeqxgtkgu." kpvgtguv'ej cti gu."cpf "cf o kpkntcvkxg"eqngevkqp'hggu0'

Vj g"hwpf u"eqmgevgf "ctg"wugf "hqt"vj g"tgenco cvkqp"cpf "tguvqtcvkqp"qh" ncpf "cpf "y cvgt "tguqwtegu"cf xgtugn{ "chhgevgf "d{ "r cuv"o kpkpi 0""

UO ETC"r tqxkf gu" hqt" yi g" wug" qh" yi g" o qpkgu" hqt" yi g" r wtr qug" qh" r tqygevkpi "r wdrke"j gcnyi ."uchgv{."cpf "r tqr gtv{"htqo "gzvtgo g"f cpi gt" qh"cf xgtug"ghhgewu"qh"eqcn"o kpkpi "r tcevkegu="tguvqtcvkqp"qh"rcpf "cpf" y cvgt" tguvqtegu" cpf" yi g" gpxktqpo gpv" r tgxkqwun{" f gi tcf gf" d{" cf xgtug"ghhgewu"qh"eqcn"o kpkpi "r tcevkegu."cpf "yi cv"ctg"cf lcegpv"vq"c" ukxg"yi cv"j cu"dggp"qt"y km'dg"tgo gf kcvgf 0'K'cnvq"r tqxkf gu"yi cv'o qpkgu" kp"yi g"Cdcpf qpgf" O kpg"Tgenco cvkqp"Hwpf "y km'dg"wugf "vq"eqxgt"yi g" cf o kpkwtcvkxg" gzr gpugu" qh" yi g" Hgf gtcn" I qxgtpo gpv." ceeqo r nkuj " cdcpf qpgf" o kpg" tgenco cvkqp" cpf" f gxgmqr" i wkf grkpgu" qp" yi g" f kwtkdwkqp"qh"o qpkgu"kp"yi g"Hwpf 0'

### Qllkeg"qllUnt h:eg"O kpkpi "Tgen:o cvkqp"cpf 'Gphqtego gpv"

### UWO O CT[ "QHTGS WKTGO GP VU" FGRCT VO GP V"OH"VJ G"KP VGT KOT"

TOTAL TO CLI VOLLO VILLO							
APPROPRIATION:	REGULATION AN	ID TECHNOL	OGY	ABANI	OONED MINE R	ECLAMATIC	N FUND
	\$\$	FTE	\$\$		\$\$	FTE	\$\$
FY 2016 ENACTED		345	123,253			143	117,303
FIXED COSTS & RELATED CHANGES:							
Adjustments for Pay Raise	624				308		
Adjustment for Change in Number of Paid Days	-316				-156		
Adjustment for Employer Contribution to FERS	0				0		
Adjustment for Worker's Compensation	15				4		
Adjustment for Unemployment Compensation	-5				1		
Adjustment for GSA Rental Payments	-561				-175		
Adjustment for O&M Baseline (Rent)	0				0		
Adjustment for Working Capital Fund	5				-1		
Adjustment for IT Transformation	4				2		
TOTAL Adjustment for Fixed Costs	-234		-234		-17		-17
PROGRAM CHANGES		21	4,531			6	-86,911
TOTAL REQUIREMENTS (2017 President's Budget)		366	127,550			149	30,375
REGULATION AND TECHNOLOGY			MINE RECL	MATION FU	ND		ΤΔΙ

REGULATION AND TECHNOLOGY ABANDONED MINE RECLAMATION FUND TOTAL Fixed Fixed Inc / Dec 2017 2017 2017 2015 2016 2015 2016 2016 Comparison by Costs & (-/+) From Program Costs & Program President's President's President's **Business Lines** 2016 Actual Enacted Related Changes Actual Enacted Related Changes Enacted Budget Budget Budget Changes Changes Enacted Environmental 0 0 0 0 0 9,480 99,480 +58 -89,713 9,825 99,480 9,825 -89,655 Restoration\* FTE 0 0 0 0 0 41 55 0 0 55 55 55 0 Environmental \$\$ 91,832 91,867 +179 90,138 0 0 0 0 0 91,832 90,138 -1,694 -1,873Protection\*\* FTE 168 201 +9 210 0 0 0 0 0 201 210 +9 0 Technology 3,544 \$\$ 14,455 15,205 +81 +6,199 21,485 3,544 +21 +2,802 6,367 18,749 27,852 +9,103 Dev. & Transfer FTE 77 91 0 +12 103 18 20 0 +6 26 111 129 +18 Financial \$\$ 505 6.440 505 +3 +205 713 6,396 6,396 +44 0 6,901 7,153 +252 Management FTE 3 0 0 3 44 41 0 0 41 44 44 0 Executive Dir. \$\$ 15.921 15,711 -497 +0 15,214 7,979 7,883 -140 0 7,743 23,594 22,957 -637 & Admin. FTE 50 0 0 50 24 27 0 0 27 77 77 0 \$\$ 123,253 -234 127,550 -17 30,375 240.556 122,748 +4,531 27,399 117,303 -86,911 157.925 -82,631 **TOTAL** FTE 294 345 +21 366 127 143 0 +6 149 +27

NOTE: 2015 FTE figures reflect actual usage. \*Civil Penalty collections of \$1,916,180 in 2015 and budget authority of \$100,000 in 2016 and 2017 are not included in figures. \*\*FY 2015 actuals include \$35,000 in budget authority for permit fees. FY 2016 appropriation language provided for \$40,000 in offsetting collections not included here, and FY 2017 provides for \$1,900,000 in offsetting collections which will increase this activity to \$92,038,000 in 2017.

### Justification of Fixed Costs and Internal Realignments (Dollars In Thousands)

### Regulation and Technology Account (Net -234)"

Fixed Cost Changes and Projections"	2016" Total or Change"	2016 to 2017" Change"
Ej cpi g'lp'P wo dgt''qh'Rckf'Fc{u''	- 384"	/538"
Vj ku'eqnwmp'tghngevu'ej cpi gu'kp'r c{ "cuuqekcvgf"y kyj "yj g'ej cpi g'kp'\yj g'pwo dg	t 'qhi'r ckf 'f c{u'dgwy ggp'\j g'4238'cpf	f '42390'
Rc{"Tckug" Vjg"ejcpig"tghngevu"vjg"ucnct{"korcev"qh"vjg"3(8' "rtqitcoogf"rc{"tckug"kpetg	- 749" cugu'cu't tqxkf gf 'lp''y g'Lwpg, ''4237'E	- 846" Ektewrt 'C/330'
F grctvo gpvcn'Y qtmlpi "Ecrkscn'Hwpf" Vjg'ejcpig'tghngew'gzrgevgf'ejcpigu'kp'vjg'ejctigu'hqt'egpvtcm('dkmgf'Fgrc Yqtmlpi"EcrkscnHwpf0'Vjgug'ejctigu'ctg'fgvskngf'kp'vjg'DwfigVLwwkhlecvkq		-;" yitqwij"Vjg
Y qtngt), i'Eqor gpuc\qp''Rc{ogpvu'' Vjg'coqwpw'tghgev'r tqlgevgf'ejcpigu'\p'\jg'equvu'qh'eqor gpuc\qpi'\qp'i\qp'g'ecekf gpvcnfgcvju'yjkg''qp''fw\{0'Equvu'\qr'\H\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
Wpgorm[ogpvl'Eqorgpucvlqp"Rc{ogpvu" Vjg"coqwpwltghngev!rtqlgevgf"ejcpigu"kp"vjg"equvu"qh"wpgormq{ogpvleqorgpu Hgfgtcn"Gormq{ggu'Eqorgpucvlqp"Ceeqwpv"kp"vjg"Wpgormq{ogpv'Vtwuv'Hwp		
Tgpvcn'Rc{o gpvu'' Vj g'co qwpwtghngev'ej cpi gu'kp''y g'equw'r c{cdng''q'I gpgtcn'Ugtxkegu'Cfo kpl cu guwlo cvgf''d{"I UC.''cu''y gm'cu''y g'tgpvcn'equw'qh'q'y gt''ewtgpvn{'qeewrkgf''u I UC ur ceg.''y gug''ctg'r ckf''vq'F gr ctvo gpv'qh'J qo gncpf''Ugewrkw{''*FJ U+0'Equ ecugu''y j gtg'f wg vq''gzvgtpcn'gxgpw''y gtg'ku''pq''cngtpcwkxg''dw''q''xcecvg''y g''ew	r ceg0Vj gug'equvu'kpenvaf g'dvkaf kpi '' nu'qh'o cpf cvqt{"qhhkeg'tgmqecvkqpu."	ugewtkv{ ="kp"vj g"ecug"qh k0g0tgmecvkqpu"kp
Deugrlpg"Cf lwuvo gpwl"hqt"Q(O"Kpet geugu"  Kp"ceeqtf epeg"y kij "tir eeg"o ezko k evkqp"ghhqtvu"etquu"y g"Hgf gteril qxgtpo gpvdeugrlpg" qr gtevkqpu"epf "o ekpvgpepeg"tgs wktgo gpwl"tguwnkpi "ltqo "o qxgo gpvDwtgew/qy pgf" ur eeg0"Y j krg"y g"l UC"r qtvkqp"qhlhkzgf "equwly knii q"f qy p"e kpetgeug"vq"deugrlpg"Q(O" equwl"pqv"qi gty kug"eer wxtgf "kp"hkzgf "equwl0"Vj ku"equw"eo qwpv"vq"o ekpvekp"uvgef {/uvcvg" hwpf kpi "hqt"y gug"tgs wktgo gpvu0"	v'qw'qh'I UC 'qt'Fktge√ngcugf '*eqoo u'c'tguwnv'qh'ij gug'oqxgu.'Dwtgcwu'q	gteken#urceg"cpf "kpvq" hvgp"gpeqwpvgt"cp"

### Justification of Fixed Costs and Internal Realignments"

\*F qmctu'Kp''Vj qwucpf u+"

### Abandoned Mine Reclamation Fund (Net -17)"

Fixed Cost Changes and Ducications"	2016"	2016 to 2017"
Fixed Cost Changes and Projections"	Total or Change"	Change"
Ej cpi g''kp''P wo dgt''qh''Rckf''Fc{u'' Vj ku'eqnwo p'tghngew'ej cpi gu'kp'rc{'cuuqekcvgf''y kvj''vjg''ej cpig'kp''vjg''pwo dgt''ql	- 88" hirchf 'fc{u'dgw ggp'\j g'4238'cpf '42.	/378" 390'
Rc{"Tckug" Vjg"ejcpig"tghngevu"vjg"ucnct{"korcev"qh"vjg"308' "htqitcoogf"hc{"tckug"kpetgcu	- 437'' gu'cu'r tqxkf gf 'lp''y g'Lwpg. '4237'Ekte	- 52: " www.t'C/330'
Fgrctvogpvcn"Yqtmkpi "Ecrkxcn"Hwpf" Vjg"ejcpig"tghngewigzrgewgf"ejcpigu"kp"vjg"ejctigu"hqt"egpvtcm("dkmgf"Fgrctvo Hwpf0"Vjgwg"ejctigu"ctgTgvckngf"kp"vjg"DwfigvLwwkkhecvkqp"hqtFgrctvogpv"Oc		- 3" i j ''yj g''Y qtmkpi 'Ecr kscn'
Y qtngt).i"Eqorgpuc.vkqp"Rc{ogpvi" Vjg"coqvpvi*tghgev/ttqlgevgf"ejcpigu"kp"vjg"equvu"qh"eqorgpuc.vkpi "kplwtgf"gorfgevju"yjkng"qp"fwx{0"Equvu"hqt"H["4239"yknttgkodwtug"vjg"Fgrctvogpv"qh"NcdoWUUE0!:369*d+"cu"cogpfgf"tl{"Rwdnke"Ncy";6/4950"		
Wpgorm;{ogpv!'Eqorgpucvkqp"Rc{ogpvu" Vjg"coqwpw!'tghngev!rtqlgevgf'ejcpigu!kp'vjg"equvu"qh!wpgorm;{ogpv!eqorgpucvl Gorm;{ggu"Eqorgpucvkqp"Ceeqwpv."kp'vjg"Wpgorm;{ogpv!Vtww!Hwpf."rwtuwcpv		- 3" zpv'qh'Nodqt.'Hgf gton'
Tgpw:n'Rc{o gpwi'' Vj g'co qwpwitgingev'ej cpi gu'kp'\j g'equwi'r c{cdng'\q'I gpgtcn\Ugtxlegu'Cf o kpkinto gunko cvgf "d{'I UC."cu'y gm'cu'\j g'tgpvcn'equwi'qh'qyj gt'ewttgpvn( "qeewrkgf "ur ceg0" ur ceg. "\j gug'ctg'r ckf "\q'F gr ct vo gpv'qh'J qo grcpf "Ugewtk\f" "\FJ U+0"Equwi'qh'o cp vq'gzvgtpcn'gxgpwi'\j gtg'ki'pq"cnigtpcvkxg"dw'\q'xcecvg'\j g'ewttgpvn( "qeewrkgf "ur ce	Vj gug'equvu'kpenvf g'dvkrf kpi 'ugevtkv{ of cvqt { 'qltheg'tgrqecvkqpu.'kVgOtgrqecvl	≓kp''yj g'ecug'qh'I UC''
Dougrkpg "Cf lwwo gpwi"hqt "O(O"Koet gougu"  Ko'ceeqtf opeg'y kij "irr ceg'o czko k cwłap "ghtqtwi'cetquu'ij g'Hgf gton'i qxgtpo gpw'ig  qr gtowapu'opf "o okpwgpopeg'tgs wktgo gpwi'tguwnkpi "htqo "o qxgo gpw'qwi'qh'i UC"  ur ceg0'Y j krg'ij g'I UC 'r qtwlap "qh'hkzgf "equwu'y kmii q'f qy p'ou'o'tguwnk'qh'ij gug'o  equwi'pqv'qvj gty kug'eor wutgf "kp'hkzgf "equwu' Vj ku'eovgi qt { "qh'hwpf kpi "t tqr gtn("o  hwpf kpi "hqt"ij gug'tgs wktgo gpwu')	'qt'fktge√rgcugf'**eqoogtekcn+'urceg'c qxgu.'Dwtgcwu'qhvgp''gpeqwpvgt''cp'kpe	epf 'kpvq'Dwtgcw'qy pgf " etgcug'vq'dcugnkpg'Q( O"

# TAB 2 Goal Performance Tables

### QHkeg'qh'Um keg'Okpkpi 'Tgenco cvkqp'cpf 'Gphqtego gpv'

<b>Goal Performance Table</b>											
O kunkqp'Ctgc'3<'Egrgdtcvkpi 'c Goal # 1: Protect America's	-		o gtkecøu'I	tgcv'Qwf qq	tu"						
Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
Utcvgi {"%<"Kortqxg"hcpf"cpf	''y cvgt	"jgcnyj"d{"oc	pci kpi ''yj g''y	gwcpf u.'wr rcp	f u."cpf "tkr ctk	cp"ctgcu"yj cv"e	eqortkug"qwt"j	pevkqpen'r etmı.	"y laf nlag"t ghw	i gu."cpf "DNO "i	cpf u0'
P wo dgt"qh"Hgf gtcn"r tkxcvg"cpf " vtkdcn"rcpf "cpf "luvthceg"y cvgt "cetgu" tgencko gf "qt"o kki cvgf "htqo "vj g" ghgevu"qh"pcwtcn"tguqwteg" f gi tcf cvkqp"htqo "r cuv"o kpkpi 0' *Ecnewrcygf "gs wkxcrgpv"cetgu+""*UR+"	E"	32.: 58"	39.: 43"	33.569"	37.: 7; "	36.222"	34.55; "	36.222"	36.222"	"2"	36.222"
Total Actual/Projected Costs (\$000)		&492.::;"	<i>&amp;</i> 554.: ; ; "	<i>&amp;</i> 528.4: 8"	&49; .276"	<b>&amp;</b> 3; 7.3; 2"	<i>&amp;</i> 3; 7.3; 2"	& <del>4</del> : 2.675"	& <del>4</del> 26.897"		"
Actual/Projected Cost per GPRA Acre (in dollars)		&46.;;;"	&3: .8: 2"	&48.;;5"	<i>&amp;</i> 39.829"	<i>&amp;</i> 35.; 64"	37.: 3; "	& <del>4</del> 2.254"	<i>&amp;</i> 36.842"		"
Eqpvtkdwkpi 'Rtqi tco u''	eqpu	vcpv'hqt'f kuetg	gykapet { 'hwpf l		239"yi g'r tqlg	evgf "equvu" kpe	nwfg"cm'fkuetg			hqpi/vgto'vctig ON'crrtqrtkcv	
Eqo o gpw"	i tgc hqt":	gt"yj cp"yj g"r t	gxkqwu"{gct"* gf "cetgu"*87'	753+0'O kvki cvl	kpi "vjg"ghhgew	ı'qh'y g'r tqdış	go "ctgc"Rqmw	vgf "Y cvgt IJ wo	cp'Eqpuwo r	qorigvgf "*788- kqp"*RYJE+"co  'rtqlgev"yig"gzo	eeqwpvgf"
P wo dgt"qh"r gqr rg"y kyj "tgf wegf" gzr quwtg"r q vgpvkcn"vq"uchgv("tkumu" htqo "cdcpf qpgf "o kpg"rcpf u0" *DWT+"	E"	852.4: 4"	44: .342"	685.: 82"	579.; 2; "	382.222"	654.526"	382.222"	382.222"	2"	382.222"
Eqpvtkdwkpi 'Rtqi tco u''	Gpxl	tqpo gpvcnTg	guvqtcvkqp"cpf	'Rgto cpgpv'C	rrtqrtkcvkqpu	!"					
Eqo o gpv'	r qr v	wncwkqpu'kp''yig		gencko gf "ukvgu						'ecnewrcygf ''egpu 8+''cpf ''Rgppu{n	

### **Goal Performance Table**

O kuukqp'Ctgc'3<"Egrgdtcvkpi 'cpf'Gpj cpekpi 'Co gtkecøu'I tgcv'Qwvfqqtu''

Goal # 1: Protect America's Landscapes

Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
P wo dgt"qh"pgy "cevkxg"r ctvpgtkpi " cpf "rgxgtci kpi "ci tggo gpw"cpf " co gpf o gpw"\q"r tkqt"ci tggo gpw0" *DWT+"	C"	3: "	38"	48"	35"	35"	37"	35"	35"	2"	35"
Eqpvtkdwkpi 'Rtqi tco "		ktqpo gpvcn'Tg									
Eqo o gpv'						cvkxg"ci tggo g tkpi "H[ "4237)		±Mcpucu'*3+±R	gppu{nxcpkc'*t	5+≓cpf "Y guv'X	ktikpkc'*6+0'
Vj g'co qwpv'qhi'lpetgcugf 'hwpf u' f gtlxgf 'htqo 'pgy 'cevkxg'r ctvpgtlpi '' cpf ''ngxgtci lpi ''ci tggo gpw''cpf '' co gpf o gpw0*DWT+"	C"	& .588.553"	&6.475.556"	& .456.565"	<i>&amp;</i> 5.; 2; .7: 8"	<i>&amp;</i> 5.472.222"	9.4; 4.952"	<i>&amp;</i> 5.472.222"	<i>&amp;</i> 5.472.222"	<i>8</i> 2"	<i>8</i> 5.472.222"
Eqpvtkdwkpi 'Rtqi tco "		ktąpo gpwnTg									
Eqo o gpv"	cpf'		tggo gpwko g	gpfogpwl'ogv	'qt''gzeggf gf ''	yjg"∖ctig√tc√ko				237.'32'qh'37'r c'ngxgtci g'tcvkq	
Rtqxkf g"crrtqrtkcvg"i tcpv'hwpf kpi " y kij kp'82"f c{u'qh'c"eqorngvg"i tcpv' crrhecvkqp"hqt"cdcpf qpgf "o kpg" ncpf u'i tcpvi"sDWT+"	C"	322' "	322' "	93' "	; 5' "	; 8' "	322' "	; 8' "	; 8' "	2' "	; 8' "
Eqpvtkdwkpi 'Rtqi tco "	Gpx	ktqpo gpvcn'Tg	guvqtcvkqp"								
P wo dgt 'qh'r gqr rg'f kt gevn( 'chhgevgf '' *Go gti gpekgu'cdcvgf +0"*DWT+"""	C"	8; .765"	82.293"	324.382"	327.976"	38.922"	353.; 27"	38.922"	38.922"	2"	38.922"
Eqpvtkdwkpi 'Rtqi tco "	Gpx	ktąpo gpven'Tg	guvqtcvkqp"								
Rgtegpvci g"qh"f genttgf "go gti gpekgu" cdcvgf "y ky kp"ukz"o qpvy u0"*DWT+" *Dcugf "qp"eqo r ngvgf "r tqlgevu+	C"	; 8' "	;:' "	;:' "	;;' "	; 7' "	; 8' "	; 7' "	; 7' "	2' "	; 7' "
Eqpvtkdwkpi 'Rtqi tco "	Gpx	ktqpo gpvcn'Tg	guvqtcvkqp"								
Ewnqo gt'ligtxleg'tcvg'lp''yj g''s wcrkv{" qh''yej plecn'cuulurvcpeg0\cong\cong\cong\cong\cong\cong\cong\cong	C"	322' "	322' "	322' "	322' "	;9' "	322' "	; 9' "	; 9' "	2' "	;9' "

### **Goal Performance Table**

O kuulqp'Ctgc'3<'Egrgdtcvkpi 'cpf 'Gpj cpelpi 'Co gtlecøu'I tgcv'Qwfqqtu''

Goal # 1: Protect America's Landscapes

Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
Eqpvtkdwkpi 'Rtqi tco u''	Vge	j pqnqi {'Fgxg	gqr o gpv'cpf '	"Vtcpulgt" ó 'QI	JO TG'ku'tgxkg	gy kpi "vjg"kprv	w'vq'f gxgnqr'o	c"o qtg"o gcpkpi	ihwn'o gcuwtg(	)'	
Rgtegpv'ucvkultcevkqp''y kyj ''yj g'' uekgpvklike''cpf ''gej pkecn'r tqf wewi'' cpf ''cuukuvcpeg0'*Crrrkgu''vq''O kuukqp'' Ctgcu''3''cpf ''5+'*DWT+''	C"	322' "	'"	; 8' "	99%"	; 9' "	;:'"	;9' "	; 9' "	2' "	; 9' "
Eqpvtkdwkpi 'Rtqi tco u''	Vge	j pqnqi {'Fgxg	gqr o gpv'cpf '	"Vtcpulgt"6"QU	JO TG'ku'tgxkg	y kpi ''yj g''kpr v	w'vq'fgxgmqr'o	e"o qtg"o gcpkp	i hwdo gcuwtgl		
Ewwqo gt "ghtgevkxgpguu"tcvg"kp" yi g" s wcrkx{ "qht'yej plecn'\tckpkpi "6" P VVR0\Cr r rlgu"\q"O kunkqp"Ctgcu"3" cpf "50\text{"\sqrt{s}}DWT\text{+"}	С	; 7' "	; 7' "	; 7' "	95%"	; 5' "	,,'"	; 5' "	; 7' "	2' "	; 7' "
Eqpvtkdwkpi "Rtqi tco "	Vge	j pqnqi { 'F gxg	gqr o gpv'cpf '	"Vtcpuhgt"							
Eqo o gpv'	Vcti	gw'hqt'H[ 42	39/423; 'y gtg	g"tckugf "htqo ";	5'r gtegpv'vq';	7'r gtegpv'dci	ugf "qp"H[ "423	37"cewcnı'cpf "ı	rtkqt"{gctu0'		
P wo dgt"qh'uwf gpuu'\tckpgf "6" P VVR0>*Crrrkgu'\q'O kunkqp'Ctgcu''3" cpf "50+"*DWT+"	С	98: "	; 95"	7; 2"	8::"	: 72"	889"	: 72"	: 72"	2"	: 72"
Eqpvtkdwkpi "Rtqi tco "	Vge	j pqnqi { 'F gxg	gqr o gpv'cpf '	"Vtcpuhgt"							
Eqo o gpv'	Vj k drgp	u'tguwngf 'kp'c of ''vjg'rtqitco	'my gt 'pwo dg u''vq''cej kgxg'' ''y km'kpenwf g''	t ''qh''uwf gpw'' 'ghhekgpekgu''c <sub>]</sub> uwf gpw''ttckpg	vtckpgf 0"Dcug pf "o cmg"vj g"o gf "kp"uguukqpu	f ''qp''c''tgegpv'; quv''qh''vgej pq	gxcnwcwlqp"qh" mji lecn"cf xcp qi tco u."cpf "i	y g'P VVR'cpf ' egu'lp'lku'\gcej qcnı'y kn'dg'cf	"VKRU" 't ckpkpi kpi u0""Vjgtgh lwungf" cv"c"hey	gt'\ko g0	OTG'y km'
Ewnqo gt"ucvkuhcevkqp"tcvg"hqt"VKRU" vtckpkpi 0*Crrnkgu"vq"dqvj "o kuukqp" ctgcu0+**DWT+"		С	; 8' "	"	! "	; 9' "	; 5' "	! "	; 5' "	; 5' "	; 8' "
Eqpvtkdwkpi 'Rtqi tco "		Vgej pqmi {	'Fgxgmrogp	v'cpf ''Vtcpuhgt	"						
Rgtegpv'qh'Rc{o gpw'Rtqeguugf " Cwqo cwecm{0*DWT+"	C"	87' "	97' "	98' "	78.65%"	; 2' "	990, 6' "	; 4' "	: 407' "	/; 07' "	: 907' "
Eqpvtkdwkpi 'Rtqi tco "	Нф	pekcn'O cpci g	go gpv'								
Едо о дрш"					cti g"pwo dgt"q ngev'ej cpi gu'l				's wct vgt ''y j kej	"j cf "\q"dg"crrı	kgf"

### Qllkeg"qllUm læeg"O kpkpi "Tgenco cykqp"cpf "Gphqtego gpv"

### **Goal Performance Table**

O kuulqp'Ctgc'3<'Egrgdtcvkpi 'cpf 'Gpj cpelpi 'Co gtlecøu'I tgcv'Qwfqqtu''

Goal #1: Protect America's Landscapes

Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
CO N'Hgg'Eqmgevkqp'tcvg0' *DWT+"	C"	;;0,"	322' "	;;0,"	99.7%"	;;'"	;;0,6' "	' "	;;' "	2' "	;;' "
Eqpvkdwkpi 'Rtqi tco "	Нфс	pekcn'O cpci g	o gpv"								

O kuukqp'Ctgc'5<"Rqy gtkpi 'Qv	t'Hww	tg"cpf "Tgur	qpukdrg''Wa	ıg''qh''yj g''P c	vkqpøu'Tguq	wtegu"					
Goal #1: Secure America's	Energ	y Resource	S							T	Long
Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
Utcvgi {'%<''Gpuwtg'gpxktqpo gpvcn'	eqornko	peg'cpf 'vj g'ux	hgv{ ''qh''gpgti	{'Fgxgnqrogp	ο <b>ν</b> θ'						
Rgtegpv'qh'cevkxg'eqcn'o kpkpi 'ukvgu'	C"	: 8' "	: 9' "	:;' "	:;0," "	::' '"	:; OB' "	::' '"	::' "	2' "	::'
yicv'ctg'htgg''qh''qhh∕ukvg''korcevu0'		*8.7: : ''qh''	*8.96; ''qh''	*8.78: ''qh''	*7.;;7''qh''	*7.96: ''qh''	*8.256''qh''	*7.945"qh"	*8.243''qh''		*8.242''ql
*UR+'""		9.897"	9.953"	9.625"	8.893"	8.754"	8.997"	8.726"ukvgu+"	8.: 64"		8.: 63
		"ukvgu+"	ukvgu+"	ukvgu+"	ukvgu+"	ukvgu+"	ukvgu+''		ukvgu+"		ukvgu-
<b>Total Actual/Projected Costs</b>		<i>&amp;</i> 348.; 48"	<i>&amp;</i> 344.935"	<i>&amp;</i> 338.555"	<i>&amp;</i> 344.975"	<i>&amp;</i> 344.975"	<i>&amp;</i> 344.975"	<i>&amp;</i> 345.4; 5"	<i>&amp;</i> 34; .672"	///"	///
(\$000)							02 22 11		3: .; 42"	///"	///
(\$000)		<i>&amp;</i> 38.75: "	<i>&amp;</i> 37.: 95"	<i>&amp;</i> 37.936"	<i>&amp;</i> 3: .623"	<b>&amp;</b> 3: .9; 5"	<b>&amp;</b> 3: .33; "	<i>&amp;</i> 3: .; 78"	3, 42		
(\$000) Actual/Projected Cost per		<i>&amp;</i> 38.75: "	<i>&amp;</i> 37.: 95"	<i>&amp;</i> 37.936"	<i>&amp;</i> 3: .623"	<i>&amp;</i> 3: .9; 5"	83: .33; "	&3: .; 78"	3, 42		
(\$000) Actual/Projected Cost per		<i>&amp;</i> 38.75: "	<i>&amp;</i> 37.: 95"	<i>&amp;</i> 37.936"	<b>&amp;</b> 3: .623"	<i>&amp;</i> 3: .9; 5"	83: .33; "	<i>8</i> 3: .; 78"	3, 42		
(\$000) Actual/Projected Cost per Inspectable Unit	Gpxk	&88.75: " qpo gpwn'Rtqy		<i>&amp;</i> 37.936"	<i>&amp;</i> 3: .623"	<i>&amp;</i> 3: .9; 5"	&5: .33; "	<i>8</i> 3: .; 78"	3, 42		
(\$000) Actual/Projected Cost per Inspectable Unit (in dollars) Eqpvkdwkpi 'Rtqi tco "		qpo gpvcn'Rtqv	gevkqp"			,			·	''qxgtuki j v'qh'U	cvg"
(\$000) Actual/Projected Cost per Inspectable Unit (in dollars)	QUO'	qpo gpvcn'Rtqv TG''gxcnvcvkqp	gevkqp" "qh'f cvc"eqmg	evkqp."cpcn{ uk	u. "cpf "tgr qt vkç	pi 'tgs wktgo gp	wi'ku'r ct v'qh'ÿ	g'qpi qkpi 'ghhq	tv'\q'ko r tqxg	''qxgtuki j v'qh'U ''tgeqxgtgf ''hqt''l	

### Qllkeg"qllUnt lceg"O kpkpi "Tgenco cvkqp"cpf "Gplqtego gpv"

### 'Goal Performance Table

O kuukqp''Ctgc''5<''Rqy gtkpi ''Qwt''Hwwtg''cpf 'Tgur qpukdrg''Wug''qh''yi g'P cvkqpøu'Tguqwtegu''
Goal #1: Secure America's Energy Resources

Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
Rgtegpv'qh'o kpgf 'cetgci g'' tgencko gf ()*UR+''''''	Е"	326' " *4.63: .; 85" qh'4.549.555" "cetgu+"	9708' " *6.;:;.7::" qh'8.825.992" cetgu+"	98' " *7.333.767" qh'8.94; .47; " cetgu+"	9806' " *7.455.466" qh'8.: 72.; 7: " cetgu+"	97' " *7.55; .466'" qh'9.33; .39; " cetgu+"	990 ' " *7.554.: 95"" qh'8.: 77.: 46" cetgu+"	98' " *7.65: .: 95'" qh'9.378.634" cetgu+"	98' " *7.766.: 95''' qh'9.4; 7.: : 8" cetgu+"	2' "	99' "
Total Actual/Projected Costs (\$000)		<i>&amp;</i> 348.; 48"	<i>8</i> 344.935"	&338.555"	<i>&amp;</i> 344.975"	<i>8</i> 344.975"	<i>&amp;</i> 344.975"	<i>&amp;</i> 345.4; 5"	<i>&amp;</i> 34; .672"	///"	///"
Actual/Projected Cost per Acres Reclaimed (in dollars)		<i>&amp;</i> 74"	& <del>4</del> 7"	& <del>4</del> 5"	<i>&amp;</i> 3: "	&39"	<b>&amp;</b> 3: "	&39"	<i>&amp;</i> 3: "	///"	///"
Eqpvtkdwkpi 'Rtqi tco "	Gpxkt	qpo gpwdRtq	vgevkqp"								
P wo dgt "qh"cetgu"y j gtg"  tgerco cwqp"i qcm"ctg"cej kgxgf "cu" gxkf gpegf "d{"tgrgcug"htqo "Rj cug" KKKRgthqto cpeg"Dqpf u0""*DWT+""	Е"	57.556"	65.: 65"	72.: 83"	5: .9: 5"	37,000"	64.5; 6"	59.222"	37,000	0	59.222"
Eqpvtkdwkpi "Rtqi tco "	Gpxkt	qpo gpvcn'Rtq	vgevkqp"								
Eqo o gpv'	H[ '42	237'\cti gv'y cı	u'gzeggf gf 'f v	vg"√q"hctigt"√jo	cp'r tqlgevgf 'd	qpf "tgrgcug"ce	etgu'kp'ugxgtcr	i'uvcvgu0'			
P wo dgt "qh"cetgu"t grgcugf "htqo " Rj cug"K( "KKRgthqto cpeg"Dqpf u0' *DWT+"""	E"	98.942"	77.949"	93.2; 6"	: 4.; 38"	8; .222"	79.457"	8; .222"	8; .222"	0	8; .222"
Eqpvtkdwkpi 'Rtqi tco "		qpo gpwdRtq	vgevkqp"								
Rtqxkf g'crrtqrtkcvg'i tcpv'hwpf kpi " y kj kp'82'f c{u'qh'c'eqorngvg'i tcpv' crrnecvkqp'hqt'tgi wcvqt{'i tcpw' *DWT+"	C"	322' "	322' "	9: ' "	; 8' "	; 8' "	; 5' "	; 8' "	; 8' "	2"	; 8' "
Eqpvtkdwkpi 'Rtqi tco "		qpo gpwn'Rtq									
Eqo o gpv'											
Eqo r ngvkqp"qh"vj g"vgej plecn"t gxkgy " qh"Hgf gtcnlkff kcp"Ncpf "r gto kv" cevkqpu"y kyj kp"; 2"f c{u'*DWT+"	C"	: 4' "	::' "	322' "	: 8' "	: 2' "	::' "	: 2' "	: 2' "	2"	: 2' "
Eqpvkdwkpi 'Rtqi tco "	Gpxkt	qpo gpvcn'Rtq	vgevkqp"								

### Qllkeg"qllUnt lceg"O kpkpi "Tgenco cvkqp"cpf "Gplqtego gpv"

### 'Goal Performance Table

Okuukqp'Ctgc'5<"Rqy gtkpi 'Qwt'Hwwtg'cpf'Tgurqpukdrg'Wug'qh'yj g'Pcvkqpøu'Tguqwtegu''

Goal #1: Secure America's Energy Resources

Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
Ewnqo gt'ugtxkeg'tcvg'kp''yj g'' s wcrkv{ ''qh'\gej pkecn'cunkncpeg0' *Crrn'gu'\q'O kunkqp'Ctgcu'3''cpf'' 50+'*DWT+''	C"	322' "	322' "	322' "	322' "	; 9' "	322' "	;9' "	; 9' "	2' "	;9' "
Eqpvtkdwkpi 'Rtqi tco "		pqnqi {'Fgxgn	qr o gpv'cpf ''V								
Rgtegpv'ucvkuhcevkqp"y kyj "vj g" uekgpvkhke"cpf "vgej pkecni'r tqf wevu" cpf "cuukuvcpeg0"Crrnkgu"vq" O kuukqp"Ctgcu"3"cpf "50+"*DWT+"	C"	322' "	! "	; 8' "	! !!	; 9' "	;:'"	;9' "	97%	0%	97%"
Eqpvtkdwkpi 'Rtqi tco ''	Vgej j	pqmi {'Fgxgn	qr o gpv'cpf ''V	tcpulgt"							
Ewnqo gt "ghhge kx gpguu't cvg'lp'\j g" s wcrkv{ "qh'\gej pkecn'\tckpkpi "6" P VVR0*Crr rkgu'\q'O kukqp'Ctgcu" 3"cpf "5+"*DWT+"	С	; 7' "	; 7' "	95%"	95%"	; 5' "	;;'"	; 5' "	95%	+2%	95%"
Eqpvtkdwkpi 'Rtqi tco "	Vgej j	pqnqi {'Fgxgn	qr o gpv'cpf 'V	tcpulgt"							
Eqo o gpv'	Vcti g	gwi'hqt''H[ ''423	39/423; 'y gtg'	tckugf 'htqo ';	5"r gtegpv"\q";	7"r gtegpv"dcı	ugf "qp"H[ "423	37"cewcnı'cpf 'i	rtkqt"{gctu0'		
P wo dgt "qh'uwf gpvu'vtckpgf "ó" P VVR0*Cr r rkgu'vq'O kuukqp"Ct gcu" 3"cpf "50+"*DWT+"	С	98: "	; 95"	7; 2"	8: : "	: 72"	889"	: 72"	: 72"	2"	: 72"
Eqpvtkdwkpi 'Rtqi tco "	Vgej j	pqnqi{'Fgxgn	qr o gpv'cpf ''V	tcpuhgt"							
Eqo o gpv"	Vj ku'' drgpf	tguwn gf 'lp'c'n ''vjg'r tqi tco u	qy gt"pwo dgt" ı"vq"cej kgxg"gl	'qh'uwf gpvu'vt hkekgpekgu'cpf	ckpgf 0"Dougf '	'qp"c"tgegpv'gz  uv'qh'vgej pqn	xcnwcwlqp"qh"vj qi kecn"cf xcpe	g'P VVR'cpf "V	/KRU'\tckpkpi 'i oi u0""Vj gtghqt	"uwf gpv'ecpegr tqi tco u."QUO g."hwwtg"ceeqo	TG'y km'
Ewunqogt"ucvkuhcevkqp"tcvg"hqt" VKRU'vtckpkpi0'Crrnkgu"vq"Dqvj" Okuukqp"Ctgcu0+™DWT+"	C"	C	; 8' "	· · · · · ·	! "	;9' "	; 5' "	' "	; 5' "	; 5' "	; 8' "
	Vgej	pqnqi {'Fgxgn	qr o gpv'cpf "V	tcpuhgt"							

### Qllkeg"qllUnt lceg"O kpkpi "Tgenco cvkqp"cpf "Gplqtego gpv"

### 'Goal Performance Table

Okuukqp'Ctgc'5<"Rqy gtkpi 'Qwt'Hwwtg'cpf'Tgurqpukdrg'Wug'qh'yj g'Pcvkqpøu'Tguqwtegu''

Goal #1: Secure America's Energy Resources

Supporting Performance Measures	Type	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Change from 2016 Plan to 2017	Long- Term Target 2019
	C"	;:' "	;;' "	;:' "	;;' "	; 8' "	;;' "	; 8' "	; 8' "	2' "	; 8' "
Ewrqo gt'ucvkulcevkqp'kp'yj g'' s wcrkx{ ''cpf ''vko grkpguu''qh'CXU'' r tqxkf gf ''ugtxkegu0\*DWT+''											
Eqpvtkdwkpi 'Rtqi tco "	Vgej j	pqıqi {'Fgxgn	qr o gpv'cpf ''V	tcpulgt"							
Rgtegpv'qh'cevkxg'Hqtguvt{"	Е"	///"	63' "	6: ' "	6: ' "	6: ' "	6; ' "	72' "	72' "	2' "	73' "
Tgencoc√kqp"Crrtqcej"*HTC+"			*; .548''qh''	*38.886"qh"	*45.; 99'qh'	*4; .; 99''qh''	*52.759"qh"	*59.259'qh'	*65.759'qh'		*78.759"
eqo r nkcpv'cetgci g0*DWT+"			44.853"	57.246"	6; .6; 2"	83.6; 2"	83.8; 5"	95.: ; 5"	: 8.2; 5"		qh'
			cetgu"	cetgu+"	cetgu+"	cetgu+"	cetgu+"	cetgu+"	cetgu+"		332.6; 5" cetgu+"
Eqpvtkdwkpi 'Rtqi tco "	Vgej	pqnqi {'Fgxgn	qr o gpv'cpf ''V	tcpuhgt"							
Eqo o gpv'								jg'Crrcncejkcj eqornkcpv'rncp		hqtguvcvkqp'Kpk	kcvkx g"

Rgtegpv'qh'vcti gvgf 'i tqwr u''	E"	///"	34' "	34' "	38' '"	38' '"	35' "	36' "	36' "	2' "	37' "
cwgpf kpi "qwtgcej "ttckpkpi "			'*: 3''qh''	*333'qh'	*3: 8''qh''	*453"qh"	*3; 2''qh''	*453"qh"	*494''qh''		*576''qh''
urqpuqtgf"d{"CTT <b>K0</b> ™DWT+"			8: 8"	; 49"	3.38; "	3.63; "	3.65: "	3.8; 4"	3.; 68"		4.676"
			cwgpf ggu+"	cwgpf ggu+"	cwgpf ggu+"	cwgpf ggu+"	cwgpf ggu+"	cwgpf ggu+"	cwgpf ggu+"		cwgpf ggu+"
Eqpvtkdwkpi 'Rtqi tco "	Vgej j	oqnqi {'Fgxgn	qr o gpv'cpf ''V	tcpuhgt"							
Eqo o gpv'	Hqt'H	[ '4237'\q\cn'	rct√kekrcpvu'*f	gpqo kpcvqt+	gzeggf gf "gzr	gevcvkqpu'j qy	gxgt."urgekhk	e''i tqwru'\cti	gvgf "*pwo gtcvqt-	+''y gtg''nguu''yjo	ep"
	gzr ge	evgf 0'Vj ku'o go	cuwtg''ku''pgy .''	j wu'j kuvqtkeci	if cvc'ku'uvkmik	o'ku'kphcpe{0	'Kt'ku'cpvkekrcy	gf ''yi cv''yi g''wr	y ctf "ttgpf "kp"cv	vgpf cpwi'htqo	"vcti gvgf"
	i tqwr	u'y km'eqpvkpv	vg. 'dw'cv'o we	j "unqygt"tcvg"	'yj cp''kp''r tgxko	wu''{ gctu0 <mark>'H</mark> w	wtg"\ctigvu"jc	xg'dggp'cf lw	uvgf "vq"tghngev"eq	pvkpwcn'ceew	wacokap'ah'
	pgy 'f	cvc0"'									

### Qllkeg"qllUm læeg"O kpkpi "Tgenco cvkqp"cpf 'Gplqtego gpv"

### **Goal Performance Table**

O kuulqp''Ctgc''6<'''Gpi ci lpi ''yj g'P gzv'I gpgtcvlqp''

### Goal #4: Develop the next generation of lifelong conservation stewards and ensure our own skilled and diverse workforce pipeline (Work)

Supporting Performance Measures	Type	2011 Actual"	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Long-Term Target 2019
P wo dgt"qh"y qtm"cpf "\tc\p\pi " qrrqtwp\k\gu"rtqx\f gf "\q"{qwpi " rgqrg0\tilde\UR+"	E"				436"	qrrqtwpkk vq"57"vq"uwr	gu'qxgt 'hqwt 'hk	ecn'{ gctu.''4236' pp''qh''vjg''Fgrctv	''y tqwi j ''4239.	l 22.222'y qtm'cpf '\tckpkpi " .'hqt'kpf kxkf wcn'ci gu'37" u'eqp\tkdwgf 'kp'H[ 4237"
Eqpvtkdwkpi 'Rtqi tco u''	Cm'l	Rtqi tco u"								
Едо о друш"	uwr r		itfkpcvgf'9;"c	f f kkqpcn'{ qv						skqp"vq."QUOTG" qpvkpwg"vq"uwrrqtv"cpf"
Kpetgcug'F QKcpf "chhklcvgf" rctvpgtuj kr "go rm{o gpv'kp" {qwj 'hqewugf "rtqi tco u'd{"57" rgtegpv'qxgt"\j g'dcug"{gct"qh" H[ "422; 0*UR+"	C"	3; 5"	4; 8"	442"	///"	///"	//"		///"	///"
Eqpvtklwkpi 'Rtqi tco u'	Cm'l	Rtqi tco u"					•			
Eqo o gpw"	Vj ku	ı'o gcuwtg''y cu	'f kueqpvkpwgf	O'Ugg''cdqxg'h	qt'wrfcvgf'o	gcuwt g"				

### QHkeg''qh'Um'k eg''Okpkpi 'Tgenco cvkqp''cpf 'Gphqtego gpv''

<b>Goal Performance Table</b>												
	O kunkqp''Ctgc''8<"Dwkrf kpi "c''Ncpf uecr g''Ngxgri'Wpf gtuvcpf kpi "qh''qwt''T guqwtegu"  Goal #1: Provide Shared Landscape-Level Management and Planning Tools											
Supporting Performance Measures	Type	2011 Actual"	2012 Actual	2013 Actual	2014 Actual	2015 Plan	2015 Actual	2016 Plan	2017 Plan	Long-Term Target 2019		
Utcvgi {"%<"Gpuwtg"\j g"wug"qh"rcp	fuecr	g"igxgriecr cdl	rkkgu"cpf "o kl	ki cvkqp"cevkqp	uO'							
P wo dgt "qh'\qqnu'tgi kngtgf "qp" yi g"I gqur c\kcri'Rrc\hqto "\yi c\'ecp" dg"\wugf "\q"uwr r qt\'rcpf uecr g" ngxgn'f gekukqp"o cmkpi 0\%UR+"	C"	///"	///"	///"	///"	4"	4"	4'	4"	2		
Eqpvtkdwkpi 'Rtqi tco "	Vgej	pqnqi {'F gxg	mr o gpv'cpf '"	Vtcpuhgt'"					•			
Eqo o gpw"	I gq(	O kpg"cpf "vj g'	'GUT <b>КК</b> 6 сі g' <b>'</b>	Jgtxgt"y kmi'dg	'qr gt cvkqpcn'k	р'Ң '4237'ср	f ''dg{qpf 0'' <b>'</b> Vj g	gtghqtg."yj gtg	'ku'pq"ej cpi g'l	tqo 'H[ '4238''/'42390'		
P wo dgt "qh'ircpf uecr g/ngxgni" o kki cvkqp "untcvgi kgu'cpf "cevkqpu" yi cv'r tqxkf g"hqt" yi g"eqpugtxcvkqp" qh'pcwtcnitguqwtegu"qeewttkpi " dghqtg."f wtkpi ."qt"chygt" f gxgnqr o gpv'cevkxkkkgu0%UR+"	C"	///"	///"	///"	36"	39"	39"	37'	37"	37		
Eqpvtkdwkpi 'Rtqi tco "	Vgej	pqnqi {'f gxgr	qr o gpv'cpf "V	tcpulgt"								
Eqo o gpw"												
Eqo o gpwi"  Vj ku'ku'c'pgy 'F QKo gcuwtg. 'kp''y j kej ''QUO TG'ku'c'eqpvtkdwqt'\q'\y g'qxgtcm'F QKi qcn')\Qh'\y g'39''kgo u'eqpvtkdwgf.''37'eqqr gtcvkxg'' ci tggo gpwi'*cevkqpu+'\q'mecn'y cygtuj gf 'i tqwr u'*r wtr qug'qh'engcpkpi '\ntgco u'chhgevgf ''d{ "cekf 'o kpg'f tckpci g+='cpf ''y q'untcvgi kgu'*3+'' uwr r qtwi'tgenco cvkqp'qh'o kpgf 'ncpf u'y kyj 'j gcnyj { "r tqf wevkxg'hqtguvu'wpf gt 'ku'Cr r cncej kcp'T gi kqpcn'T ghqtguvcvkqp'Kpkkcvkxg='cpf '*4+'' r whkuj gf ''Rtqr qugf ''Utgco ''Rtqygevkqp'T wrg0'												

### Qllkeg'qllUxt lceg'O kpkpi 'T gerco cvkqp'cpf 'Gplqt ego gpv'

### **Target Codes:**

UR"? "Utcvgi le"Rrcp"O gcuwtg"

DWT"? "Dwtgcw"Ur gelthe "O gcuwt gu"

### **Type Codes:**

E"? "Ewo wrcykxg"

C"? 'Cppwcn'

### **Key to Measure Types**

The Goal Performance Table in this section includes a column called Type. Gcej "o gcuwtg'kp''y g" I qcn'Rgthqto cpeg''Vcdng''j cu''o gcuwtg''V $\{r\ g<'''C''qt''E0''Gcej''encunkheckqp''tghngevu''c''f khhgtgpv''ko ghtco g'' dgw ggp''y j gp''c''tguwn'ku''tgcnkj gf .''kp''vgto u''qh''c''ej cpi kpi ''vcti gv'xcnwg.''tgncvkxg''vq''y j gp''hwpf u''ctg'' dwf i gygf <math>0''''$ 

### A - Annual-result performance measures ("Annual" measures)

Hqt"y gug"r gthqto cpeg"o gcuwtgu."y g"4238"dwf i gvtgs wguvtghrgewi'y g'tguqwtegu"y cv'uwr r qtv'y g" r gthqto cpeg"vcti gvhqt"y cv'{ gct"qpn{0"Vj ku'ku'v{r kecn'qh'cp{"r gthqto cpeg"o gcuwtg"vcti gvhqt"cp" qr gtcvkqpcn'ghhqtv'y cv'ku'tgr gcvgf "cppwcm{0""

### **C** - Cumulative-result performance measures ("Cumulative" measures)

Hqt''y gug'r gthqto cpeg'o gcuwtgu.''y g'4238'dwf i gv'tgs wguv'tghrgewi'qpn{ "cp"cppwcnl\petgo gpv'qhi'hwpf \pi " vj cv'\ku''dg\pi "wugf "\q''o c\pvc\p''qt''tgcej ''y g''rgxgn'qhl'cej \kgxgo gpv'tghrgevgf '\kp''y g'\cti gv\b''Y j \krg''y gug'' o gcuwtgu''tghrgev'y g''rgxgn'qhl'r gthqto cpeg''cej \kgxgf "qxgt''c''pwo dgt''qh''{gctu.''y g''\cti gv\xcnwg''hqt''c'i \kxgp'' h\kuecn'{gct ''tghrgewi'y g''rgxgn'qhl'r gthqto cpeg''y j \kej "\ku''gzr gevgf ''\q''dg''tgcej gf ''d{''y g''gpf ''qh''y cv'h\kuecn'{gct.'' cpf ''pq''hwtyj gt\b'''

# TAB 3 Budget at a Glance

#### INTRODUCTION

Vj g"hqmqy kpi "vcdrgu"r tqxkf g"c"upcr uj qv'qh''y g"equv'ej cpi gu"d { "cr r tqr tkcvkqp."dwukpguu"rkpg"cpf "cevkxkkgu'y kyj kp''y qug"dwukpguu'rkpgu0"Dgrqy 'ku'c"uwo o ct { 'f guetkr vkqp0'

### **Regulation and Technology**

Vj ku"crrtqrtkckqp"hkpcpegu" yj g"tgi wcvqt {"hwpevkqpu"qh"UO ETC"cu"cf o kpkuvgtgf "d {"vj g"Uvcvgu" cpf "QUO TG0"Hgf gtcn'cevkxkkgu"tgrcvgf "vq"yj g"cf o kpkuvtckqp"cpf "o qpkxqtkpi "qh"Uvcvg"tgi wcvqt {"rtqi tco u" cpf "QUO TGøu" vgej pkecn' vtckpkpi ." cuukuvcpeg." cpf "vtcpuhgt" cevkxkkgu" tgrcvgf "vq" gpxktqpo gpvcn'rtqvgevkqp"ctg"cnuq"hkpcpegf "d {"vj ku"crrtqrtkcvkqp0""Vj g"tgs wguv'ku"&349.772.222="cp"kpetgcug"qh"&6.4; 9.222"htqo "vj g"4238"Gpcevgf "rgxgr0'" Kp"cf f kkqp."QUO TG"ku"tgs wguvkpi "dwf i gv'tguqwtegu'qh"&30, "o kmkqp"vq"dg"qhhugv'd {"equvu"tgeqxgtgf "hqt"ugtxkegu"rtqxkf gf "vq"kpf wuxt {0'

### **Abandoned Mine Reclamation Fund**

 $\label{thm:control} Vj ku"crrtqrtkckqp"uwrrqtw" yj g"f kuetgkqpct { "tgenco ckqp"rtqi tco "hwpekqpu"ecttkgf "qw"d { "yj g" Uccygu"cpf "QUO TGO" Vj g"Hwpf "ku"f gtkxgf "htqo "c"hgg"ngxkgf "qp"eqcn'rtqf werkqp"ucngu. "wug"cpf " vtcpuhgtuO" Vj g"Hwpf "cnuq"uwrrqtw" Hgf gtcn'cevkxkkgu"tgncygf "vq"yj g"cf o kpkntckqp"cpf "o qpkqtkpi " qh" Uccyg"rtqi tco u. "cu"y gm"cu" QUO TGou" vgej pkecn' vtckpkpi . "cuukuvcpeg. "cpf "vtcpuhgt"cevkxkkgu" tgncygf "vq"gpxktqpo gpvcn'tguvqtcvkqp0" Vj g"tgs wguv'ku" & 2.597.222. "c"f getgcug"qh" & 8.; 4: .222 "htqo " vj g"4238" Gpceygf "ngxgn" \label{eq:controller}$ 

### Summary of 2016 Enacted Level and 2017 Request By Appropriation and Business Line

\*f qmctu'kp'yj qwcpf u+"

i quista ip ij quaspi a					
	2016 Enacted		Change from		
Regulation and Technology	Level	2017 Request	2016		
Gpxktqpo gpvcn'Rtqvgevkqp"	; 3.: 54"	; 2.35: "	/3.8; 6"		
Vgej pqnqi { 'F gxgnqr o gpv'cpf "Vtcpuhgt"	37.427"	43.6: 7"	- 8.4: 2"		
Hpcpekcn'O cpci go gpv'	727"	935"	- 42: "		
Gzgewkxg"Fktgevkqp"	37.933"	37.436"	/6; 9"		
Vqvcn'y kj qw/Ekxkl''Rgpcnkgu''	345.475"	349.772"	- 6.4; 9"		
Ekxki/Rgpcnkgu'*Dwf i gv'Cwj qt k{ +"	322"	322"	2"		
Vqvcn'Tgi wcvkqp'cpf 'Vgej pqmi { 'y kj "					
Ekxki/Rgpcnkgu''	345.575"	349.872"	- 6.4; 9"		

	2016 Enacted		Change from
Abandoned Mine Reclamation Fund	Level	2017 Request	2016
Gpxktqpo gpvcn'Tguvqtcvkqp"	; ; .6: 2"	; .: 47"	/: ; .877"
Vgej pqmi { "F gxgmr o gpv"cpf "Vtcpuhgt"	5.766"	8.589"	- 4.: 45"
Hpcpekcn'O cpci go gpv'	8.5; 8"	8.662"	- 66"
Gzgewkxg"Fktgevkqp"	9.::5"	9.965"	/362"
Vqvcn 'Cdcpf qpgf 'O kpg'Tgerco cvkqp'Hvpf'	339.525"	52.597"	/: 8.; 4: "

Total Appropriation, without Offsetting			
Collections	240,656	158,025	-82,631
Qhugwkpi 'Eqngevkqpu''	62"	3.; 22"	- 3.: 82"
Total Appropriation, with Offsetting			
Collections and Civil Penalties	240,696	159,925	-80,771

### Summary of 2016 Estimate and 2017 Request By Full-time Equivalent (FTE)

	2016		Change from
Regulation and Technology	Estimate	2017 Request	2016
Gpxktqpo gpvcn'Rtqvgevkqp"	423"	432"	-;"
Vgej pqmi { 'F gxgmr o gpv'cpf "Vtcpuhgt"	; 3"	325"	- 34"
Hpcpelcn'O cpci go gpv'	5"	5"	
Gzgewkxg'Fktgevkqp"	72"	72"	
Vqvcn'Tgi wcvkqp"cpf "Vgej pqrqi { 'HVG"	567"	588"	- 43"

Abandoned Mine Reclamation Fund	2016 Estimate	2017 Request	Change from 2016
Gpxktqpo gpvcn'Tguvqtcvkqp"	77"	77"	
Vgej pqmi { "F gxgmr o gpv'cpf "Vtcpuhgt"	42"	48"	- 8"
Hkpcpelcn'O cpci go gpv'	63"	63"	
Gz gewkx g"F kt gevkqp"	49"	49"	
Vqvcn 'Cdcpf qpgf 'O kpg'Tgerco cvkqp'Hwpf '"""			
HVG"	365"	36; "	
Total FTE	488	515	+27

### Budget at a Glance Table (Dollars in Thousands)

	2015 Actual	2016 Enacted	Fixed Costs	Program Changes	President's Budget	Incr (+)/ Decr (-) from 2016
Discretionary	1					
Appropriation: Regulation and Technology	122,748	123,253	-234	+4,531	127,550	+4,297
Environmental Protection	91,867	91,832	+179	-1,873	90,138	-1,694
State and Tribal Funding	68,590	68,590		-3,129	65,461	-3,129
Reduce Regulatory Grant Funding				[-3,129]		
State Program Evaluation	8,616	8,616	+79	+1,766	10,461	+1,845
Improve Implementation and Support to States and						
Tribes				[+1,766]		
Federal Programs	5,922	5,898	+40	-1,302	4,636	-1,262
Decrease Covered by Offsetting Collections	[-4]	[-28]		[-1,302]	[-1,330]	
Federal Lands	1,534	1,534	+5		1,539	+5
Indian Lands	2,441	2,430	+18	-558	1,890	-540
Decrease Covered by Offsetting Collections	[-1]	[-12]		[-558]	[-570]	
Program Development and Maintenance	4,764	4,764	+37	+1,350	6,151	+1,387
Solicitors Support				[+350]		
Support NEPA Compliance Documentation				[+1,000]		
Technology Development and Transfer (TDT)	14,455	15,205	+81	+6,199	21,485	+6,280
Technical Assistance	10,943	11,693	+51	+1,500	13,244	+1,551
Electronic Permitting Requirements		[+750]		[-750]		
Increase Technical Assistance				[+2,250]		
Training	2,531	2,531	+21		2,552	+21
Technology Transfer	981	981	+9	+4,699	5,689	+4,708
Applied Science Projects				[+1,199]		
Expand GeoMine Project				[+2,500]		
Expand Reforestation Initiative				[+1,000]		
Financial Management	505	505	+3	+205	713	+208
Revenue Management	410	410	+2	+205	617	+207
Program Monitoring				[+205]		
Grants Financial Management	95	95	+1		96	+
<b>Executive Direction</b>	15,921	15,711	-497	0	15,214	-49′
Executive Direction	2,654	2,654	+21		2,675	+2
Administrative Support	4,414	4,414	+24		4,438	+24
General Services	8,853	8,643	-542		8,101	-542

### Budget at a Glance Table (Dollars in Thousands)

				2017		
	2015 Actual	2016 Enacted	Fixed Costs	Program Changes	President's Budget	Incr (+)/ Decr (-) from 2016
Appropriation: Abandoned Mine Reclamation Fund	27,399	117,303	-17	-86,911	30,375	-86,928
Environmental Restoration	9,480	99,480	+58	-89,713	9,825	-89,655
State Program Evaluation	2,662	2,662	+21		2,683	+21
Federal Reclamation Programs - Projects	1,548	1,548			1,548	
Federal Reclamation Program - Operations	2,066	2,066	+19		2,085	+19
Program Development and Maintenance	3,204	3,204	+18	+287	3,509	+305
Solicitors Support				[+287]		
AML Economic Development Grants		90,000		-90,000	-	-90,000
Technology Development and Transfer (TDT)	3,544	3,544	+21	+2,802	6,367	+2,823
Technical Assistance	1,585	1,585	+11	+1,478	3,074	+1,489
Increase Technical Assistance				[+1,478]		
Training	794	794	+6		800	+6
Technology Transfer	1,165	1,165	+4	+1,324	2,493	+1,328
Applied Science Projects				[+525]		
Enhance Mine Map Repository				[+799]		
Financial Management	6,396	6,396	+44	0	6,440	+44
Fee Compliance	6,302	6,302	+43		6,345	+43
Grants Financial Management	94	94	+1		95	+1
<b>Executive Direction</b>	7,979	7,883	-140	0	7,743	-140
Executive Direction	1,413	1,413	+14		1,427	+14
Administrative Support	2,323	2,323	+15		2,338	+15
General Services	4,243	4,147	-169		3,978	-169
Total, Discretionary Funding	150,147	240,556	-251	-82,380	157,925	-82,631

### **Budget at a Glance Table**

(Dollars in Thousands)

				2017		
	2015 Actual	2016 Enacted	Fixed Costs	Program Changes	President's Budget	Incr (+)/ Decr (-) from 2016
Total Regulation and Technology	122,748	123,253	-234	4,531	127,550	+4,297
Civil Penalties*	1,916	100			100	
Total Regulation and Technology with Civil Penalties	124,664	123,353	-234	+4,531	127,650	+4,297
<b>Total Abandoned Mine Reclamation Fund</b>	27,399	117,303	-17	-86,911	30,375	-86,928
Offsetting Collections - Permit Fees*	5	40		+1,860	1,900	+1,860
Total, Budget Resources with Offsetting Collections	152,068	240,696	-251	-80,520	159,925	-80,771

Mandatory					
Payments to States and Tribes in Lieu of Coal Fee Receipts					
(Treasury Funds)	58,754	303,373	-303,373	0	-303,373
In Lieu Payments to Certified States and Tribes**	58,754	303,373	-303,373		-303,373
Mandatory Grants to States (AML Funds)	167,791	163,150	+211,150	374,300	+211,150
Grants to Noncertified States					
State & Tribal Share	34,976	31,684	+4,116	35,800	+4,116
Historic Coal Fund	114,906	113,132	+5,468	118,600	+5,468
Minimum Program Make Up	17,909	18,334	+1,566	19,900	+1,566
Reclaim/Redevelop AML Sites			+200,000	200,000	+200,000
United Mine Workers of America Plans (UMWA)	173,533	179,521	360,603	540,124	360,603
Payments to United Mine Workers of Ameica Health Benefit					
Plans (AML Fund Interest)	31,803	29,109	+21,015	50,124	+21,015
Payments to United Mine Workers of America Health Benefit					
Plans (Treasury Funds)	141,730	150,412	-35,847	114,565	-35,847
New Payments to UMWA Plans (Treasury Funds)			+375,435	375,435	+375,435
TOTAL, Mandatory Funding	400,078	646,044	+268,380	914,424	+268,380

<sup>\*</sup> Civil Penalties reflect FY 2015 actual collections. Permit Fee Collections reflect FY 2015 actuals of \$5,000 in collections and \$35,000 in appropriated funds under Environmental Protection.

Mandatory Funding: AML grants are projected based on the hypothetical distribution as of December 2015. 2017 estimates include proposals to advance abandoned coal mine reclamation and economic revitalization of communities and to terminate payments to certified States and Tribes. The proposal to increase the reclamation fee on coal production will not increase payment to non-certified States until FY 2018, when the FY 2017 fees are distributed.

<sup>\*\*</sup> FY 2016 enacted includes payments of \$241.9M in accordance with P.L. 114-94.

QHkeg''qh'Um'k eg''Okpkpi 'Tgenco cvkqp''cpf 'Gphqtego gpv''

# TAB 4 Environmental Restoration

### **ENVIRONMENTAL RESTORATION**

 $Gpxktqpo\ gpvcn'Tguvqtcvkqp''Uwo\ o\ ct\{''qh''Dwf\ i\ gv'Tgs\ wguv''$ 

				20	017	
*f qmctu'ltp''y qwucpf u+"	2015 Actual	2016 Enacted	Fixed Costs (+/-)	Program Changes (+/-)	President's Budget	Change From 2016 (+/-)
Regulation and Technology	1,916	100			100	
Ekxkri'Rgpcn/{ '"Eqrrgevkqpu"	,					
*Dwf i gv'Cwj qtkv{+, "	3.; 38"	322"			322"	
HVG"						
Abandoned Mine Reclamation Fund	9,480	99,480	+58	-89,713	9,825	-89,655
Uvcvg'Rtqi tco 'Gxcnvcvkqp''	4.884"	4.884"	- 43"		4.8: 5"	- 43"
HVG"	<i>3: '</i>	42'			42'	
Hgf gtcn'Rtqi tco u''/'Rtqlgevu''	3.76: "	3.76: "			3.76: "	
Hgf gtcn'Rtqi tco u'/"						
Qr gtcvkqpu"	4.288"	4.288"	- 3; '		4.2: 7"	- 3; "
HVG"	9'	3: '			3: '	
Rtqi tco 'F gxgrqr o gpv'cpf "						
O ckpvgpcpeg"	5.426"	5.426"	- 3: '	- 4: 9"	5.72; "	- 527"
"Uqrlekqtu"Uwrrqtv"				]- 4: 9_'		
HVG"	38'	39'			39'	
CO N'Geqpqo le"						
F gxgmr o gpv'	2"	; 2.222"		/; 2.222"	2"	/; 2.222"
Total, Environmental Restoration**	9,480	99,480	+58	-89,713	9,825	-89,655
Total FTE	41	55			55	

<sup>&</sup>quot;"""P qvg<"4237 'HVG'hki wtgu'tghrgev'cewcn'wuci g0'

 $Hzgf'Equvu'tguvn'kp''cp''kpetgcug''qh''&7: .2220''Hzgf''Equvu''eqxgt''rc{''tgrcvgf''kgo u''kpenwf kpi''c'' rc{''tckug''cpf''j gcnj''r rcpu0''}$ 

 $\label{thm:continuous} \begin{tabular}{l}{l}{$K$} "cffkkqp" 'q" ig" fknetgykqpct {"crrtqrtkcykqpu" cdqxg." QUOTG 'ykn'fkntkdwg" ocpfcyqt {"hwpfkpi" hqt" CON't gencocykqp" cu" qwykpgf'kp" ig 'Rgtocpgpv' Crrtqrtkcykqpu' Ugeykqp0' } \end{tabular}$ 

<sup>,</sup> Cewcn'ekxkn'r gpcnv{"eqngevkqpu"hqt"H[ "4237"y gtg"&3.; 38.3: 2"yi g"o clqtkv{ "qh"y j kej "ku"f wg"vq ugwrgo gpv'qh'r cuv'f wg"f gdv='yi g"dwf i gv'cwj qtkv{ "kp"H[ "4238"cpf "H[ "4239"ku"&322.2220", , Ekxkn'r gpcnvkgu'ctg'pqv'kpenvf gf 'kp''yi g''vqvcnt0'

### **Summary of 2017 Program Changes**

Request Component	(\$000)
Uqrlekqt "Uwrrqtv"	- 4: 9"
CO N'Geqpqo ke'F gxgrqr o gpv'	/; 2.222"
Total Program Changes	-89,713

### **Justification of 2017 Program Changes**

 $\label{thm:condition} Vj g''4239''dwf i gv''hqt''Gpxktqpo gpvcn''Tguvqtcvkqp''ku''\& :: 47.222''cpf ''77''HVG.''c''r tqi tco ''f getgcug'' qh''& ; .935.222''htqo ''vj g''4238''Gpcevgf ''pxgrf)'''$ 

### Program Development and Maintenance - Solicitor Support for AML Activities

(+\$287,000):"Hwpf kpi "y kni'uwr r qtv'40" hwm' vlo g"gs wkxcngpv'r qukkqpu'kp" y g"Uqrkekqtøu'Qhhkeg'hqt" y qtm'ur gekhle 'vq"eqcn'o kpkpi 'kuuwgu0"QUO TG'j cu'o cp{"kuuwgu''y cv't gs wkt g"ngi cn't gxkgy 0"F wg''vq" y g"ewtt gpv'ecr cekv{"qh''y g"ngi cn'uvchh'cxckredng."QUO TG'uvchh'j cxg"pqv'dggp "t gegkxkpi "'y g" ugtxkegu'pggf gf "vq" vlo gn{"cf f t guu'o cp{"kuuwgu."uwej "cu'nkki cvkqp."pgy "cpf "o qf khkecvkqpu''vq" gz kuvkpi "t wngu."Uvcvg"r tqi tco "co gpf o gpvu."cpf 'hkgnf 'ko r ngo gpvcvkqp 'kuuwgu'qp't gi wncvqt {"cpf" cdcpf qpgf "o kpg"ncpf "Hgf gtcn'cpf "Uvcvg"r tqi tco u0"QUO TG'j cu'dggp"uwr r qtvkpi "qpg"hwm' vlo g" uqrkekqt "xkc"c"t gko dwtucdng"ci t ggo gpv'y kj "y g"Uqrkekqtøu'Qhhkeg'hqt"y g"r cuv'y q"{gctu'wukpi "cxckredng"ectt {qxgt 'hwpf u0""Vj ku'cf f kkqpcn'hwpf kpi "y km'r tqxkf g'hqt"y g"eqpvkpwgf 'uwr r qtv'qh'qpg" kpf kxkf wcn'cu'y gm'cu'cp"cf f kkqpcn'hVoO'Hwpf kpi "ku't gs wguvgf "kp"dqy "Tgi wncvkqp"cpf "Vgej pqnqi {"cpf "Cdcpf qpgf 'O kpg"Ncpf 'T genco cvkqp"ceeqwpwu'hqt"c''qvcn'qh'x859.2220'

AML Economic Development (-\$90,000,000): Vj g"Hj "4238"Gpcevgf "rgxgrilpenwf gf "hwpf kpi "hqt"cdcpf qpgf "o kpg"hcpf "tgenco cvkqp"vq"gs wcm{"uwr qtv'yi tgg"Cr r cncej kcp"Uvcygu'y kyj "yi g" i tgcvguv'co qwpv'qh'wphwpf gf "pggf u'vq"cf f tguu'Rtkqtkw{"3"cpf "4"cdcpf qpgf "eqcn'o kpg"r tqdrgo u0" Vj g"Hj "4238"hwpf kpi ."y j kej "ku"engctn{"kpur ktgf "d{"yi g"Cf o kpkwtcvkqpøu"RQY GT- "Rncp."ku"vq"dg" wugf "kp"eqplwpevkqp"y kyj "geqpqo ke"cpf "eqo o wpkx{"f gxgmqr o gpv"cevkxkkkgu0"Vj g"4239"tgs wguv" kpenwf gu"c"ngi kuncvkxg"r tqr qucnihqt"c"dtqcf gt"r tqr qucniyi cv"dgpghku"cmi"Uvcvgu"cpf "Vtkdgu'y kyj " CO N"r tqi tco u0"O qtg"f gvcknu"ctg"wpf gt"yi g"Rgto cpgpv"Cr r tqr tkcvkqpu"Ugevkqp0""

## MISSION GOAL: "'VQ'RTQXKFG'C'ENGCPGT'CPF'UCHGT'GPXKTQPOGPV" HQT"VJG'COGTKECP'RGQRNG'D['TGENCKOKPI'CPF'TGUVQTKPI'" NCPF'CPF'YCVGT'FGITCFGF'D['RCUV'OKPKPI''

Cu"uvgy ctf u"qh"qwt"pcvkqpøu"pcwtcn"cpf "ewnwtcn"tguqwtegu." yj g"F gr ctvo gpv"ku"gpvtwuvgf "y kij " uchgi wctf kpi "yj gug"vtgcuwtgu"hqt"hwwtg"i gpgtcvkqpu0'"Gpxktqpo gpvcn"rtqdrgo u"cuuqekcvgf "y kij " cdcpf qpgf "o kpg"uksgu."uwej "cu"y cvgt"r qmwkqp."qr gp"r qtvcnu"cpf "r kxu."rcpf "uvtkr r gf "qh"pcwtcn" xgi gvcvkqp."cpf "tghwug"r krgu"f gi tcf g"qwt"pcwtcn"tguqwtegu"cpf "etgcvg"r wdrke"j gcnij "cpf "uchgv{" tkumu0"Vj tqwi j "yj g"tgerco cvkqp"qh"yj gug"rtqdrgo u."qwt"rcpf "cpf "y cvgt"tguqwtegu"ctg"ko r tqxgf "hqt" r tqf wevkxg"wugu."uwej "cu."ci tkewnwtg."y krf rkhg"j cdkcv'qt"f gxgrqr o gpv0"O kpg"uksg"tgerco cvkqp"pqv" qpn{" ko r tqxgu" qwt" gpxktqpo gpv." dwv' cnuq" uchgi wctf u" r gqr rg" cpf " r tqr gtv{." cpf " tgxkcrk| gu" eqo o wpkklgu"d{"etgcvkpi "lqdu0"

 $\label{thm:continuous} Vj g"Gpxktqpo gpvcn" Tguvqtcvkqp" dwukpguu" rkpg" hwpf u"qr gtcvkqpu" cpf "r tql gevu" hqt "y g"cdcpf qpgf" o kpg" rcpf "r tqi tco "*CO N+0"" QUO TG" gxcnwcvgu" Ucvg" cpf "Vtkdcn' CO N''r tqi tco u." cdcvgu" j ki j / r tkqtkv{ "eqcn'o kpkpi / tgrcvgf" j c| ctf u"y tqwi j "y g"Hgf gtcn' Tgenco cvkqp" r tqi tco "*y j gtg" QUO TG" j cu" tgenco cvkqp" tgur qpukdkrkv{ + "cpf "hquvgtu" r ctvpgtuj kr u"cko gf "cv' cf f tguukpi "cekf" o kpg' f tckpci g" cpf "qvj gt 'y cvgt" r qmvvkqp" r tqdngo u0"$ 

Ukpeg"3; 99. "qxgt"5: 2.222 "gs wkxcrgpv'cetgu"qh"Rtkqtk\{"3"cpf "4" wdrke"j gcrnj ."uchgv\{"cpf "cuuqekcvgf" gpxktqpo gpvcn"tgrcvgf "eqcri'r tqdrgo u"j cxg"dggp"tgercko gf 0'QUO TG"j cu"f gxgrqr gf "c"pcvkqpcrl' kpxgpvqt \{"yi cv"eqpvckpu"kphqto cvkqp"hqt"qxgt"43.222"r tqdrgo "ctgcu"cuuqekcvgf "y kj "cdcpf qpgf" o kpg"rcpf u."o quvn\{"eqcr0'C"r tqdrgo "ctgc"ku"c"wpks wgn\{"f ghkpgf"i gqi tcr j kecn'ctgc"yi cv"eqpvckpu" qpg"qt"o qtg"cdcpf qpgf "o kpg"rcpf "r tqdrgo u0'Vj g"o qtg"ugtkqwu"r tqdrgo "ctgcu"ctg"ercuukhkgf "cu" Rtkqtk\{"3"\*gzvtgo g"f cpi gt"vq"r wdrke"j gcrnj "cpf "uchgv\{+"Rtkqtk\{"4"\*cf xgtug"ghtgewu"vq"r wdrke"j gcrnj ."uchgv\{."qt"gpxktqpo gpvcn'r tqdrgo u"cf lcegpv'vq"yi ku"Rtkqtk\{+"qt"Rtkqtk\{"5"\*cf xgtug"ghtgewu"vq"rcpf ."y cvgt"tguqwtegu."qt"gpxktqpo gpvcn'r tqdrgo u"cf lcegpv'vq"cpqyi gt"Rtkqtk\{-0""Vj g"equv'qh"cf ftguukpi "yj g"tgo ckpkpi "Rtkqtk\{"3"cpf"4"eqcn/tgrcvgf "uksgu"ku"guvko cvgf "cv'qxgt"&8"dkrkqp0""Kp"cf fkkqp." yj gtg" ku" cro quv' &5" dkrrkqp" qh" Rtkqtkx\{"5" wphwpf gf" r tqdrgo u0' " " Vj g" CO N" Ceeqo r rkuj o gpvu" Ugevkqp"eqpvckpu"c"ej ctv''yi cv''kpenwf gu"CO N"r tqdrgo "v\{r gu"cpf "guvko cvgf" tgo ckpkpi "tgerco cvkqp"equvu0""

Vj g"cwj qtk{"vq"eqngev"yj g"o kpg"tgenco cvkqp"hgg"cpf "f kutkdwkqp"qh"yj g"hgg"y cu"tgxkugf "d{"yj g" Vcz"Tgrkgh"cpf "J gcnyj "Ectg"Cev"qh"4228."yj kej "kpenwf gf "yj g" Uwthceg" O kpkpi "Eqpvtqri'cpf "Tgenco cvkqp"Cev'Co gpf o gpw"qh'4228"\*Rwdrke"Ncy "32; /654+0"Vj ku"Cev"gzvgpf gf "yj g"cwj qtkv{"hgg"eqngevkqp"yj tqwi j "Ugr vgo dgt"52."4243."myy gtgf "yj g"hgg"cpf "yj g"co qwpv"eqngevgf ."cpf "ej cpi gf "yj g"y c{"Uvcyg"cpf "Vtkdcn'tgenco cvkqp"i tcpw"ctg"vq"dg"hwpf gf ."dgi kppkpi "kp"H[ "422: 0" Uvcyg"cpf "Vtkdcn'tgenco cvkqp"i tcpw"j cxg"dgeqo g"r gto cpgpv"crrtqrtkcvkqpu0'"Vj g"tgo ckpkpi "cevkxkkgu" hwpf gf "wpf gt" yj g" f kuetgvkqpct{"crrtqrtkcvkqp" hqt" yj ku" dwukpguu" rkpg" kpenwf g" Uvcyg" Rtqi tco "Gxcnwcvkqp."Hgf gtcn'Tgenco cvkqp"Rtqi tco u."cpf "QUO TG"qr gtcvkqpu0'

### Operational Processes (Program Activities):""

QUOTG" y km" eqpvkpwg" vq"
uwr qtv" yi g" Y cvgtuj gf "
Eqqr gtcvkxg" Ci tggo gpv'
Rtqi tco " wpf gt" yi g" ewttgpv'
crrtqrtkcvkqp" tgs wguvgf 0"
Vj ku" rtqi tco " uwr qtw"
eqqr gtcvkxg" eqpugtxcvkqp" kp"
yi cv" kv" rtqxkf gu" hwpf kpi " vq"
mecn" xqnwpvggt" pqp/rtqhkv"
y cvgtuj gf " qti cpk cvkqpu" kp"
yi gkt "ghhqtw" vq" ko rtqxg" yi gkt"

### ENVIRONMENTAL RESTORATION ENCOMPASSES

Ucvg'Rtqi tco 'Gxcnwcvkqp'"'

Hgf gtcn'T genco cykqp'Rtqi tco "

- Rtqi tco 'Qr gtc\qqu
- Y cvgtuj gf 'Eqqr gtcvkxg'Ci tggo gpw
- Ekxkri/Rgpcnv{ 'Tgenco cvkqp
- Dqpf 'Hqthgkwtg'Tgerco cwlqp

Rtqi tco "F gxgrqr o gpv"cpf "O ckpvgpcpeg"

mecn" gpxktqpo gpv" cpf " j cu" r qukkxg" ko r cevu" qp" vj g" mecn" geqpqo ke" enko cvg" qh" pgctd {" eqo o wpkkgu0""

Gxcnwcvkqp"cpf "qxgtuki j v'qh"vj g"Ucvg"cpf "Vtkdcn'CO N"tgerco cvkqp"qr gtcvkqpu"ku"eqqtf kpcvgf "d { "QUO TG"vj tqwi j "vj g"Ucvg"Rtqi tco "Gxcnwcvkqp"r tqi tco "cevkxkv $\{0$ 'Vj ku"dwukpguu"rkpg"cnuq"hwpf u" vj g"Rtqi tco "F gxgrqr o gpv"cpf "O ckpvgpcpeg"r tqi tco "cevkxkv $\{.$ "y j kej "r tqxkf gu"r qrke $\{$ "f ktgevkqp" cpf "gpuwtgu"UcvgIVtkdcn'r tqi tco u'ctg"co gpf gf "cu"pggf gf 0"

Vj g'Gpxktqpo gpvcn'Tguvqtcvkqp"rtqi tco "cevkxkkgu"ko rtqxg"pcwtcn'tguqwtegu"cpf "tgf weg"yj g"tkum' vq"r wdnke"j gcnyj ."uchgv{."cpf "i gpgtcn"y gnctg"d{"eqttgevkpi "rtqdngo u"ecwugf "d{"rcuv"o kpkpi 0' QUO TG"j cu'lkf gpvkhkgf "uweeguu'kpf kecvqtu"vq"uj qy "kpetgo gpvcn'ceeqo rnkuj o gpwu'hqt"yj g"o kuukqp" i qcn')"Vj gug'i qcnu'cpf "o gcuwtgu'ctg'lkf gpvkhkgf "cv'yj g''gpf "qh'yj ku'dwukpguu'nkpg''ugevkqp0'

Actions Required to Achieve Annual Goals: Kp"H "4239"cpf "dg{qpf."QUO TG"y kmleqpvkpvg"vq" gpeqwtci g"r ctvpgtuj kr "r ctvkekr cvkqp"d{"y qtmkpi "y kyj "Uvcvgu"cpf "Vtkdgu"y tqwi j "vj gkt"tgenco cvkqp" ci gpekgu."cpf "vj tqwi j "r tkxcvg"cpf "i tcuu/tqqw"cuuqekcvkqpu0""Kp"cf f kxkqp."QUO TG"y kml'kpetgcug" ghqtwu"vq"ngxgtci g"hwpf kpi "htqo "qvj gt"i qxgtpo gpv"cpf "pqp/i qxgtpo gpv"qti cpk cvkqpu"vq"cf f tguu" cdcpf qpgf "o kpg"ukxgu0" "Vj ku" go r j cuku" qp" r ctvpgtuj kr "cpf" ngxgtci kpi "qh" tguqwtegu" uwr r qtwu" eqqr gtcvkxg"eqpugtxcvkqp"ghqtwu0"

 $\label{thm:condition} Vj g"hmpf kpi "ugevkqp"f gvcknu." d \{"r tqi tco "cevkxkv\{."vj g"hmpf kpi "cpf "HVG"t guqwtegu"t gs wkt gf "vq" o ggv'vj g"cppwcn'r gthqto cpeg"o gcuwt gu0"'Kl'cnuq "kpenwf gu"gz co r ngu"qh'vj g"v\{r gu"qh'ghhqt vu''wugf "vq" gx cnwc vg"r tqi tco u. "cf f t guu"go gti gpe \{"cpf "j ki j /r t kqt kv\{ "kuuwgu"cpf "o cpci g"vj qug"r tql ge vu. "cpf "r tqxkf g't genco cvkqp"uwr r qtv'ugt x kegu''vq''eqo o wpkxkgu''chhge vgf "d \{"eqcn'o kpkpi "kuuwgu0'$ 

#### 2017 PROGRAM PERFORMANCE

#### **Abandoned Mine Land Fund**

Vj g"Uwthceg"O kpkpi "Eqpvtqn"cpf "T genco cvkqp"Cev"\*UO ETC+"guvcdrkuj gf "vj g"Cdcpf qpgf "O kpg" T genco cvkqp"Hwpf "\*CO N"Hwpf +"vq"t gegkx g"vj g"CO N"hggu"cpf "hkpcpeg"t genco cvkqp"qh"eqcn'CO N" ukgu0' Dghqtg" vj g" 4228" UO ETC" co gpf o gpvu." vj g" t genco cvkqp" i tcpvu" y gtg" hwpf gf "vj tqwi j "f kuetgvkqpct {" crrtqrtkcvkqpu0' "Vj gug" i tcpvu" ctg" pqy "hwpf gf "htqo "rgto cpgpv' \*o cpf cvqt {+" crrtqrtkcvkqpu0'"C"f kuewukqp"qh"vj g"hwpf kpi "qh"vj gug"i tcpvu"cpf "vj g"rtqrqugf "ej cpi gu"vq"crrn{"vj cv"hwpf kpi "vq"vj g"P cvkqpøu"j ki j guv'rtkqtkv{"eqcn'rtqdrgo u"ecp"dg"hqwpf "wpf gt"vj g"Rgto cpgpv' Crrtqrtkcvkqpu"Ugevkqp0'"Vj g"vqr"qh"Vcdrg"3"kf gpvkhkgu"y j kej "Uvcvg"cpf "Vtkdgu"j cxg"crrtqxgf" CO N"Rtqi tco u"cpf 'tgegkxg'CO N"i tcpvu'htqo 'rgto cpgpv'crrtqrtkcvkqpu0"

Vj g" H[ " 4239" dwf i gv." htqo " vj g" CO N" Hwpf " hqt" Gpxktqpo gpvcn" Tguvqtcvkqp." y km" eqxgt" f kuetgvkqpct { "ur gpf kpi "hqt"Ucvg"Rtqi tco "Gxcnwcvkqp." Hgf gtcn"Tgenco cvkqp"Rtqi tco "Qr gtcvkqpu" cpf "Rtqlgevu." cpf "Rtqi tco "F gxgrqr o gpv"cpf "O ckpvgpcpeg0"

 $\label{thm:linear:lin$ 

### Addressing AML Emergencies

Vj g"r tqeguu'hqt"cf f tguukpi "go gti gpekgu'vj cv'f gxgmr "qp"CO N"ukgu."cpf "cmqecvkpi "pggf gf "hwpf u." ku" f gr gpf gpv" qp" y j gvj gt" vj g" Uvcvg" j cu" cp" CO N" r tqi tco 0' " Vj g" 4228" Co gpf o gpvu" etgcvgf "f khtgtgpv'uqwtegu'qh'hwpf kpi "hqt"cf f tguukpi "CO N"kuuwgu'd {"cmqy kpi "hqt"vj g"cr r tqr tkcvkqp"qh'dqvj "f kuetgvkqpct {"cpf" o cpf cvqt {"i tcpvu0" Rtkqt" vq" 4228."vj qwi j "c"uvcvg" y qwrf "cuuwo g"tgur qpukdkrk{"hqt"cf f tguukpi "vj g"CO N"kuuwgu'y kyj kp"ku'dqtf gtu. "wprguu'vj cv'uvcvg"ej qug"vq"cf f tguulgo gti gpekgu."QUO TG" j cf" dggp" tgur qpukdkrg" hqt" uwej " r tqlgevu0' " Nqpi uvcpf kpi " CO N" kuuwgu" cpf " CO N" go gti gpekgu"ctg"kpvtkpukecm{"rkpngf ."uq" vj g"uvtcvgi {"vq"cf f tguul"CO N"kuuwgu" uj qwrf "eqpukf gt" vj g" go gti gpekgu" vj cv'o c {"ctkug"kp" vj gug"ctgcu"cpf" vj gkt"tgrcvkxg"tkuml'hcevqtu0" Vj gtghqtg. "kv'ku" o qtg" ghlikekgpv' cpf "equv' ghhgevkxg" vq" eqo dkpg" tgur qpukdkrk{"hqt" vj gug" tgrcvgf "kuuwgu" wpf gt" c"ukpi rg" o cpci gt."y kyj "c"ukpi rg"uqwteg"qh'hwpf kpi 0""Vj wu."dgi kppkpi "kp"H[ "4233."vj g"tgur qpukdkrk{"hqt" cf f tguukpi "go gti gpe {"ukwcvkqpu" wkrlk kpi "vj g"o cpf cvqt {"i tcpv'hwpf u'tgegkxgf "y cu"vtcpuhgttgf "vq" Uvcygu"cpf "Vtklggu'y kyj 'CO N'r tqi tco u0'

Hqt"tghgtgpeg."Vcdng"3"kfgpvkhkgu"Uvcvg."Vtkdcn'cpf "Hgfgtcn'tgurqpukdkrkkgu'hqt"vjg"CON'Rtqitco "cpf 'Gogtigpe{'Kuuwgu0"

Table 1 - State, Tribal, and Federal Responsibility for the AML Program and				
Emergency Issues				
"	CO N'Rtqi tco "		Gogtigpe{"Kuuwgu"	
Uvcvg''cpf ''Vtkdcn'	Credco c"	Pqtyj 'Fcmqvc"	Credco c"	Pqtyj 'Fcmqvc''
Tgur qpukdkrkv{"	Creume"	Qj kq"	Creure"	Qj kq"
	Ctmcpucu"	Qmcj qo c"	Ctmcpucu"	Qmcj qo c"
	Eqmtcf q"	Rgppu{nxcpkc"	Eqmtcf q"	Rgppu{nxcpkc"
	Karkpqku"	Vgppguugg"	Krkpqku"	Vgppguugg"
	Kpf kcpc"	Vgzcu"	Kpf kcpc"	Vgzcu"
	Куус"	Wcj "	Куу с"	Wcj "
	Mcpucu"	Xkti kpkc"	Mcpucu"	Xkti kpkc"
	Mgpwem("	Y guv''	Mgpwem("	Y guv'Xkti kpkc"
	Nqwkukepe"	Xkti kpkc"	Navkukepe"	Y {qo kpi "
	Oct{mpf"	Y {qo kpi "	Oct{mpf"	Etqy "Vtkdg"
	O kuukuukr r k''	Etqy "Vtkdg"	O kuukuukr r k''	J qr k"Vtkdg"
	O kuuqwtk'	J qr k"Vtkdg"	O kuuqwt k''	P cxclq'P cvkqp"
	O qpvcpc"	P cxclq"	O qpvcpc"	
	Pgy 'Ogzkeq"	P cvkqp"	Pgy 'Ogzkeq"	
Hgf gtcn'	Ecnlqtplc"	Qtgi qp"	Ecrkhqtpkc"	Qtgi qp"
Tgur qpukdkrkv{"	I gqti kc"	Tj qf g'Knepf "	I gqti kc"	Tj qf g' <b>Kı</b> rcpf "
	Kfcj q"	Uqwj 'F cmqvc"	Kfcj q"	Uqwyj "Femqve"
	O cuucej wugwu"	Y cuj kpi vqp"	O cuucej wugwu"	Y cuj kpi vqp"
	O kej ki cp"	"	O kej ki cp"	"
	Pqtyj "	Vtkdgu'qyj gt"	Pqtyj "	Vtkdgu'qyj gt''yj cp''
	Ectqrkpc"	yj cp'Etqy ."	Ectqrkpc"	Etqy .'J qr k'cpf "
		J qr k'cpf"	* *	Pexelq, "
		P exclq, "		1,

, QUO TG" j cu" eqpf wevgf "CO N" cpf " go gti gpe { "tgenco cvlqp" qp" Vtkdcn" rcpf u" cetquu" y g" P cvlqp."o quv'tgegpvn{ ''qp''Ej gtqngg''Vtkdcn'rcpf u''kp''Qnncj qo c0"''

### 1. State Program Evaluation

UO ETC "tgs wktgu" QUO TG "vq" o qpkqt" y g"r tqi tguu" cpf "s wcrkx{ "qh"gcej "Uvcvg" cpf "Vtkdcri'r tqi tco " vq"gpuwtg" y cv'y gkt "tgerco cvkqp" r tqi tco u"hwpevkqp "ghhgevkxgn{0" "Vj ku"r tqi tco "ctgc" ku"cp" kpvgi tcri' r ctv'qh'y g"Uvcvg" cpf "Vtkdcri'hwpf kpi 0" Gxcnwcvkqp "qh"Uvcvg" cpf "Vtkdcri'tgerco cvkqp" r tqi tco u"gpuwtg" ghhekgpv'cpf "ghhgevkxg" wug"qh'r tqi tco "f qmctu" hqt" y g'kpvgpf gf "r wtr qug0" "

 $\label{eq:QUOTG''} QUOTG'' \ cpcn\{|\ gu''\ f\ qewo\ gpwu''\ uwdo\ kwgf''\ d\{''\ Uvcvgu''\ cpf''\ Vtkdgu''\ *g0\ 0'\ i\ tcpv''\ cr\ r\ decvkqpu.''\ co\ gpf\ o\ gpwu.''\ tgr\ qtwu.''\ cpf''\ eqpf\ wew''\ r\ gtkqf\ ke''\ f\ tcy\ f\ qy\ p''\ tgxkgy\ u''\ cpf''\ qp/ukkg''\ gxcnwcwkqpu''\ qh''\ uggevgf''\ tgegco\ cvkqp''r\ tqlgew0''QUOTG''cnq''r\ tqxkf\ gu''y\ g''Uvcvgu''cpf''Vtkdgu''y\ kj ''gzr\ gtv'vgej\ pkecn''\ cuukuvcpeg''qp''tgegco\ cvkqp''r\ tqlgew0'''QUOTG.''Uvcvgu.''cpf''Vtkdgu''j\ qrf''eqphgtgpegu''cpf''hqtwo\ u''vq''\ f\ kwwuu''tgegco\ cvkqp''kuuwgu.''vgej\ pqqqi\ \{.''cpf''uqnwkqpu''vq''tgegco\ cvkqp''r\ tqdrgo\ u0'$ 

QUO TG" wkrk gu" vqr ke/ur gekhle" qxgtuki j v'tgxkgy u" vq" o qpkqt" uvcvg" cpf " vtkdcn' CO N" r tqi tco "qr gtcvkqpu0""Vj g"ewttgpv'gxcnwcvkqp"u{uvgo "f qgu"pqv'tgs wktg" j cv' j g"gpvktg" r tqi tco "dg"tgxkgy gf "gcej "{gct0" Kpuvgcf ." vj g"u{uvgo "tgs wktgu" j g"cr r tqr tkcvg" Hkgnf "Qhhleg." kp" eqpuvvncvkqp" y kj "gcej "Ucvg" qt" Vtkdg. "vq" f gxgnqr ." c"r gthqto cpeg" ci tggo gpv'y j kej "cf f tguugu" yi g"ctgcu" vq" dg"tgxkgy gf "cpf" guvcdrkuj gu" cr r rkecdrg" r gthqto cpeg" o gcuvtgu0' "Ukpeg" o wej "qh" vqr ke/ur gekhle" qxgtuki j v'ku" vtgpf "cpcn{uku"cpf "dgecwug" yi g"kpvgtcevkqp" dgwy ggp" yi g"r tqi tco u"cpf" QUO TG" ku"eqpvkpvcn" yi g" r gthqto cpeg" ci tggo gpvu" ecp" dg" hqt" r gtkqf u"mpi gt" yi cp" qpg" {gct0"" J qy gxgt." QUO TG" tgxkgy u" yi go "gcej" {gct" vq" f gvgto kpg" yi g"r tqi tguu" dgkpi "o cf g0'

 $\label{thm:control_vi_gug_vi_bound} Vj \ gug'' ci \ tggo \ gpwu''hktuv'' cf f tguu'' yi g''qxgttkf kpi "i qcn''qh'' yi g''CO N''r tqi tco ."y j kej "ku''uweeguuhwn'' tgerco cwqp0''' Vj g{"tgeqi pk| g" yi cv''kh'' yi g"Ucvg''qt'' Vtkdg''ku''r gto cpgpw{"tgercko kpi "cdcpf qpgf" o kpg''ukvgu'' d{"cdcwkpi "j c| ctf u." tgf wekpi "qt" o kwi cwkpi "cf xgtug" ghhgewu'' qh''r cuv'' o kpkpi ." cpf "tguvqtkpi "cf xgtugn{"chhgevgf "rcpf u''cpf "y cvgt "vq''dgpghkekcn''wug." yi gp''kv''ku''eqpf wewpi "c''uweeguuhwn'' rtqi tco 0'$ 

QUO TG"gpeqwtci gu"Ucvgu"cpf "Vtkdgu"\q"o ckpvckp"qpi qkpi "r tqi tco u"hqt"r quv/r tqlgev"o qpkqtkpi "vq"cuuwtg"yi cv'eqo r ngvgf "tgenco cvkqp"r tqlgevu"tgegkxg"cf gs wcvg"o ckpvgpcpeg"wpvkritgencko gf "ncpf u" ctg"uvcdng. "cpf "vq"gpuwtg"yi g"ghhgevkxgpguu"qh"tgenco cvkqp"f guki pu0""QUO TG"gxcnwcvkqpu"qh"r quv/eqpuntwevkqp"o qpkqtkpi "gpuwtg"ko r ngo gpvcvkqp"qh"yi gug"v(r gu"qh"Ucvg"o qpkqtkpi "r ncpu0"

### 2. Federal Reclamation Program

QUO TG" cfftguugu" gpxktqpo gpvcn" j c| ctfu" qp" c"rtkqtkx{"dcuku" y j gp" cp" go gti gpe{"qeewtu" kp" Ucvgu" cpf "qp" Vtkdcn' mcpfu" y kj qw' CO N" rtqitco u="cfo kpkuvgtu" rtqlgevu" hwpfgf" d{"hgfgtcn' ekxkri" r gpcnkgu" eqngevgf "htqo "qrgtcvqtu" cpf" rtqlgevu" hwpfgf" htqo "dqpfu" hqthgkxgf" d{"qrgtcvqtu" qh" hgfgtcm{"rgto kwgf" ukvgu="o qpkqtu" y cvgtujgf" eqqrgtcvkxg" citggo gpv" rtqlgevu="cpf" rtqxkfgu" yej pkecn' cuukuvcpeg" q" Ucvgu" cpf" Vtkdgu' urgekhe "q" y g" cdqxg" rtqlgevu"""

### a. Federal Emergency Projects

Go gti gpekgu"ctg"CO N"r tqdrgo u"vj cv"qeewt"uwf f gpn{"cpf "r tgugpv"c"j ki j "r tqdcdkrkv{"qh"r j {ukecn" j cto "qt" vj tgcvgp" vj g" j gcnvj ." uchgv{."qt" i gpgtcn" y grhctg" qh"r gqr rg." cpf "uj qwrf "dg" cf f tguugf "ko o gf kcvgn{0" "Hgf gtcn" Go gti gpe{"Rtqlgevu"r tqxkf gu" ko o gf kcvg" tgrkgh" htqo "cdcpf qpgf "o kpg" j c| ctf u"kp"Uvcvgu"cpf "qp"Kpf kcp"rcpf u"y kvj qww"cp"go gti gpe{"r tqi tco 0""Go gti gpekgu"kp"Uvcvgu" eqxgtgf "d{"vj g"Hgf gtcn"Tgerco cvkqp"Rtqi tco "wuwcm{"kpxqrxg"uwdukf gpeg."xgtvkecn"o kpg"uj chv" eqmcr ug"qt"uwf f gp"gzr quwtg"qh"o kpg"qr gpkpi u0"

Vj g"o quv'eqo o qp"go gti gpekgu"kp"yi g"Uvcygu"eqxgtgf "d{"Hgf gtcn'Tgerco cvkqp"Rtqi tco u"ctg" uwdukf gpeg"gxgpv'ecwugf "d{"yi g"ecxkpi "kp"qh"qrf "wpf gti tqwpf "o kpgu0'"Uwdukf gpeg"gxgpvu"ecp" ko r cev'o cp/o cf g"uvtwewtgu"qp"yi g"uvthceg"cpf "o c{"dg"rkhg"yi tgcvgpkpi "y j gp"yi g{"qeewt"kp" r qr wrcyf "ctgcu."uwej "cu"kp"uej qqnu."r ctmu."r rc{i tqwpf u."cpf "tgukf gpvkcn'ctgcu0""Vj g"ugeqpf "o quv' eqo o qp"v{r g"qh"go gti gpe{"gxgpv"kp"yi gug"uvcvgu"ku"xgtvkecn'o kpg"uj chv'eqmcr ug0""Vj ku"o c{"tguvnv" kp" xgtvkecn'j qrgu" yi cv' ctg" j wpf tgf u" qh" hggy' f ggr "cpf "ctg" wuwcm{"yi g"tguvnv' qh" uj chwu"dgkpi "ko r tqr gtn{"hkmgf "qt"cp"kpcf gs wcwg"ecr "yi cv'y cu'r rcegf "qxgt"yi g"uj chv'cv'yi g"vko g"qh'cdcpf qpo gpv0" Qhyp"cv'yi g"vko g"qh'eqnuvtg"yi g"uj chwu"y gtg"gkyi gt"hkmgf "y kyi "qp/ukxg"o cvgtkcn'qt"y qqf gp"qt" eqpetgyg"ecr u'y gtg"r rcegf "qxgt"yi go "vq"r tgxgpv'gpvt{0""Qxgt"vko g"yi g"hkm'o cvgtkcn'ugwrgu'qt"yi g"

ecr "f gvgtkqtcvgu"vq"c"r qkpv'y j gtg"kv'ecp"pq"mpi gt"uwuvckp"vj g"y gki j v'qh'vj g"o cvgtkcn'r rcegf "qxgt" k0"Qvj gt "CO N'r tqdrgo u"o c{"cnuq"r tgugpv'rkhg/vj tgcvgpkpi "eqpf kkqpu"cpf "kpenwf g<"o kpg"gpvtkgu." j c| ctf qwulgzr mqukxg"i cugu."o kpg"cpf "tghwug'hktgu."f cpi gtqwu'j ki j "y cmu. "rcpf urkf gu"cpf "o kpg"r qqn" dmy qww0'

Y j gp"pq\kh\gf"qh"c"r quukdrg"go gti gpe{"ukwc\kqp."QUOTG"r gtuqppgn'y km'tgxkgy "cxckrcdrg" kphqto c\kqp"cpf "xkuk\'y j g"uk\g"cu"pgeguuct{."wuwcm{"y kj kp"6: "j qwtu"qt"rguu."cpf "r gthqto "c" yej pkecn'kpxgu\ki c\kqp0"'Uj qwrf "QUOTG'f gvgto kpg"\j c\'cp"go gti gpe{"gzkuvu."QUOTG'eqpf wew' tgo gf kcn'ce\kqp"cu"s wkemn{"cu"r quukdrg"vq"cdcvg"\j g"go gti gpe{"ukwc\kqp0"'Vj ku"f qgu"pq\'cny c{u" hwn{"cdcvg"\j g"r tqdrgo ."dw\'cf f tguugu"\j g"go gti gpe{"ukwc\kqp0""Vj g"tgo ckpkpi "tgerco c\kqp"y km' dg'eqo r rgvgf "chvgt"\j g"go gti gpe{"j cu'dggp"cf f tguugf 0""

F wtkpi "H[ "4237." 'y gtg" y gtg" pq" pgy "go gti gpe{"r tqlgew!" f gentgf "wpf gt" y g"Hgf gtcn'T genco cwlqp" Rtqi tco "y kij kp" y g"Crrcnej kcp" Tgi kqp0" "Vj gtg" y cu" qpg" kpxguwli cwlqp" qh" c"r qvgpwlcn' go gti gpe{" kpxqnxkpi "uwdukf gpeg" korcewpi "c" tgukf gpwlcn' j qo g" cpf" cwcej gf" i ctci g" kp" Uci kpcy. "O kej ki cp0" Vj g" kpxguwli cwlqp" f gvgto kpgf "y cv' y g" r tqdngo "y cu' pqv' ecwugf" d{"r cuv' eqcn' o kpkpi "cewlxkwlgu0"

F wtkpi "H[ "4237." yi g"Y guvgtp" Tgi kqp"cf f tguugf "yi tgg" CO N"go gti gpekgu" kp"Y cuj kpi vqp" Uvcvg0" Vj g"hktuv" go gti gpe{"r tqlgev" y cu"c" uvdukt gpeg" hgcwtg" qr gp" vq"o kpg" y qtmkpi u" yi cv" qeewttgf "qp" yi g" uj qwrf gt" qh"c"eqwpv{"tqcf "kp" Tqpcrf ." Y CO" QUO TG" gzr gpf gf "&6: .764" hqt" Ctej kgewtg" cpf "Gpi kpggtkpi "cpf" eqpuvt wevkqp" ugtxkegu" vq" tgo gf kcvg" yi g" uvdukt gpeg" hgcwtg0" "Cpqyi gt" uvdukt gpeg" hgcwtg" qeewttgf "kp" c" tgukt gpvkcnihtqpv" {ctf "kp" Tgpvqp." Y C"y j kej "QUO TG" gzr gpf gf "&62.58: "vq" tgencko 0" Cf f kkqpcm{ ." QUO TG" gzr gpf gf "& : .78: "vq" cdcvg" cp" go gti gpe{"uvdukt gpeg" hgcwtg" qr gp" vq" wpf gti tqwpf "eqcn'o kpg" y qtmkpi u" pgct" yi g" y cvgt" tgevo gpv" ncpv" hqt" yi g" vqy p" qh" Ectdqpcf q ." Y C0""""

Kp" cf f kkqp." yi g" Y guvgtp" Tgi kqp" kpxguvki cvgf" yi tgg" r qvgpvkcn' go gti gpekgu0' " Hqt" yy q" kpxguvki cvkqpu." kv" y cu" f gvgto kpgf " yi cv' yi g" uwdukf gpegu" y gtg" pqv' ecwug" d { " r cuv' eqcn' o kpkpi " cevkxkkkgu0'" Vj g" yi ktf "kpxguvki cvkqp" tgi ctf kpi "o kpg"i cu' rgcnkpi "kpvq" cp" ctgc" pgct" cp" wpf gti tqwpf " xkukqt" egpvgt" cv' yi g" Drcem' F kco qpf "O kpgu" Ucvg" Rtgugtxg" kp" Cpvkqej . "EC." y cu' uvkm' qpi qkpi "cv' yi g" gpf" qh' 42370'

### b. Federal High Priority Projects

 $\label{eq:control_quoting} QUOTG" occi gu'r tqlgew'kp"Uvcygu'cpf "qp"Vtklcn'ivpf u'y j gtg" j g"UvcyglVtklg"ku'kpgrki klmp"hqt"cp" CON'r tqi tco0"" QUOTG" tgxkgy u''r tkqtkx{"eqcn'r tqlgew'qp"kw''Cdcpf qpgf "Okpg"Ncpf "Kpxgpvqt {"U{uvgo"*g/CONKL+"cpf" ugrgew''r tqlgew''hqt''hwpf kpi "cv''y g"dgi kppkpi "qh''y g"{gct"chygt"tgxkgy "qh''y g"pcwxtg"qh''y g"r tqdrgo" cpf "ukxg"ur gekhle "kphqtocvkqp0"" Vj qug'f gvgtokpgf "vq''dg''oquv'etkklecn''ctg'' cff tguugf "hktuv''j qy gxgt." c'ukxg''kp''enqug''r tqzkokx{"vq''qpg''ugrgevgf''oc{"dg''cfftguugf" eqpewttgpvn{"hqt''equv'ucxkpi u0"'}$ 

F wtkpi "H[ "4238."QUO TG"y km'eqpf wev'o ckpvgpcpeg"qp"wy q"j ki j "r tkqtkk{ "tgemo cvkqp"r tqlgew" eqo r mygf "qp"Ej gtqmgg"P cvkqp"mpf u"f wtkpi "H[ "42360"Vj ku"o ckpvgpcpeg"r tqlgewi"kpxqmxg"gtqukqp" tgr ckt."tguggf kpi ."o wnej kpi "cpf "qvj gt"tgmvgf "o ckpvgpcpeg"cevkxkkkgu"qp"vj g"Ej gtqmgg"Y guv'cpf "Fy ki j v'O kuukqp"r tqlgev'ukgu0"Vj g"tgr ckt "y qtm'ku"pgeguuct { "vq"uvcdkrk{ g"vj g"r tqlgev'ukgu0"Vj mqmy kpi "tgeqtf" tckphcm" vj cv" qeewttgf "kp" vj g" ur tkpi "qh" 4237" dghqtg" uvvhhkekgpv' xgi gvcvkqp" eqwrf "dg"

gurcdrkuj gf 0"'Vj g"gpi kpggtøu"equv"gurko cvg"vq"tgr ckt"dqvj "uksgu"ku"&3; .: 620"'Vj g"uksg"y qtm'y km'dg" eqo r rgvgf 'kp''eqqr gtcvkqp'y kyj 'vj g'Ej gtqngg'P cvkqp'kp'H[ '42380"''

Kp"H[ "4238." yi g"Crrcncej kcp"Tgi kqp"y km"gzr nqtg"cpf "tgo gf kcyg"ugxgp"cdcpf qpgf "eqcn"o kpg" uj chu"cv"hqwt "mecvkqpu"y kyj kp"yj tgg"ukgu"kp"Uci kpcy "cpf "Dc { "Eqwpvkgu"qh"O kej ki cp0""QUO TG" j cu" kf gpvkhkgf ." nqecvgf ." gzco kpgf ." cpf "r tqr qugf " vq"o kki cvg" yi g" yi tgcv"qh" yi gug"o kpgu" uj chu" dgecwug"qh"yi gkt"r tqzko kx{"vq"r qr wrcvgf "ctgcu"cpf "yi g"tkum'yi g{ "r qug"vq"yi g"r wdrke"cpf "r tqr gtv{0" Vj gug"ugxgp"uj chuu"tcpi g"htqo "342"vq"392"hggv"kp"f gr yi 0""Vj g"r tqr qugf "y qtm"ku"vq"f tkm"kp"yi g" uj chuu"cpf "hkm" gzkunkpi " xqkf "ctgcu" y kyi "c" eqpetgvg"o kzwtg=" yi gtgd{" uqrkf kh{kpi " yi g" xgt vkecn" uxwewtgu"cpf "r tgxgpvkpi "cp{ "hwwtg"uwf f gp"eqmcr ugu0""Kp"cf f kkqp."c"ncti g"Rtkqtkx{"5"eqcn"tghwug" r krg"yi cv'gzkunu'y kyi kp"yi g"r tqdngo "ctgc"qh'wy q"qh'yi g"o kpg'uj chnu'vq"dg"o kki cvgf "y km'dg"tgi tcf gf " cpf "tgxgi gvcvgf "vq"o kpko kt g"gtqukqp"qh'yi g"r krg"cpf "ugf ko gpvcvkqp"f gr qukxkqp"qth/uksg0'Vj g"equv'qh" yi g'tgo gf kcvkqp"ku"&3086"o knkqp0'

Kp"H "4238." vj g"Y guvgtp"Tgi kqp"y km"eqpvtcev"vq"cdcvg"r tqdrgo u"qp"vj tgg"j ki j "r tkqtkx{"uksgu"y kyj "o kpg"uvdukf gpeg"cpf "o kpg"uj chv'hgcwtgu"rqecvgf "kp"Ecrkhqtpkc." O qpvcpc. "cpf "Y cuj kpi vqp0"

### c. Program Staff

Vq"cfftguu"Hgfgtcn"go gti gpekgu."cpf" jk j "rtkqtk\{."ekxkn"r gpcn\{."cpf"dqpf "hqthgkwtg"rtqlgevu." QUO TG"hwpfu"rtqitco "qrgtcvkqpu"ugrctcvgn\{0""Hqt"go gti gpe\{"rtqlgevu."QUO TG"dgi kpu"y ky "y g"kpkkcn"kpxguvki cvkqp"qp"yj g"ukvg"kp"qtfgt"vq"o cng"w q"yj tguj qnf "fgvgto kpcvkqpu<"\*3+"fqgu"cp" go gti gpe\{"eqpfkkqp"gzkuv."cpf"\*\fq+"ku"yj g"eqpfkkqp"tgncvgf" vq"cp"cdcpfqpgf"eqcn'o kpgA"Vko g"ku" qh"yj g"guugpeg="kp"uqo g"kpuvcpegu."cdcvgo gpv"cevkxkkgu"dgi kp"y kyj kp"j qwtu"qh"QUO TG\(\rho\)u"kpkkcn' kpxguvki cvkqp0'"Hqt"Hgfgtcn'j ki j "rtkqtk\{"rtqlgevu."yj g"rtqeguu"ku"uko knct"dw"dgi kpu"y kyj "yj g"fgvgto kpcvkqp"qh'yj gvj gt"yj g"eqpfkkqp"ku"tgncvgf" vq"cp"cdcpfqpgf"eqcn'o kpg."cpf"kh'uq."yj cv'ku" yj g"rtkqtk\{"qh'yj g"rtqdngo 'hqt'tgenco cvkqp0'

Qpeg" y g"f gvgto kpcvkqp"ku" o cf g" y cv' y g"ukg"ku" grki kdrg" hqt "hwpf kpi "cu" cp" go gti gpe { "qt" j ki j "rtkqtkv{ "rtqlgev." y g"Hgf gtcrl" Tgerco cvkqp" Rtqi tco "uvchh" qdvckpu" crrtqxcrl" hqt" rtqlgev'hwpf kpi "cpf" f gxgrqru' y g "cdcvgo gpv'r rcp0" V j ku "kpenwf gu<"

- Eqo r ncpeg"y ky "'y g"P cwlqpcn"Gpxktqpo gpvcn"Rqnle{"Cev"\*P GRC+.

  Gpf cpi gtgf "Ur gekgu"Cev"\*GUC+"cpf "'y g"J kwqtke"Rtgugtxcwlqp"Cev=
- Qdvckpkpi ''y g'tki j v'qh''gpvt { 'hqt''ceeguu=
- F gxgmr kpi "gpi kpggtkpi "r ncpu" cpf "ur gekhlecvkqpu" pggf gf "hqt cdcvgo gpv=
- Rtgr ctkpi " cpf " o ckrkpi " dkf " r cenci gu" vq" r qvgpvkcn" eqpuvt wevkqp eqpvtcevqtu=
- Eqpf wevkpi 'r tg/dkf 'cpf 'r tg/eqpuvt wevkqp 'eqphgtgpegu=
- Cy ctf kpi 'eqpvtcev=
- Eqqtf kpc kpi ."o cpci kpi "cpf "kpur ge kpi "cm' cur ge ku" qh' yi g" qpi qkpi eqpunt we kqp="cpf
- Tgxkgy kpi ."crrtqxkpi "cpf "rc{kpi "kpxqkegu0

QUO TG"uvchh"y km"cfftguu"go gti gpekgu"cpf "j ki j "rtkqtk{"rtqlgevu"kp"pqp/rtqitco "Uvcvgu"cpf" Vtkdgu"cu"f guetkdgf "gctrkgt."cu"y gm"cu"rtqxkfg"vgej pkech"cuukuvcpeg0""QUO TG"y km"eqpvkpwg"vq" rtqxkfg"urgekcht gf "gzrgtvkug"kp"xctkqwu"CO N"rtqdngo u"kpenvfkpi "uvdukfgpeg."o kpg"hktgu."o kpg" i cugu."cpf "mpf unkfgu"vq"Uvcvgu"yj cv"tgs wguv"cuukuvcpeg0""QUO TG"uvchh"y km"cfo kpkuvgt"rtqlgewu" hwpfgf"d{"Hygfgtch'ekxkh'rgpcnkgu"eqmgevgf"htqo "qrgtcvqtu="rtqlgevu"hwpfgf"htqo "dqpfu"hythgkgf" d{"qrgtcvqtu"qh'hgfgtcm{"rgto kwgf"ukygu="cpf"o qpkqt"y cvgtuj gf"eqqrgtcvkxg"ci tggo gpv'rtqlgewu" wpfgt"yj ku"cevkxkv{0""

### d. Watershed Cooperative Agreement Projects

Gpxktqpo gpvcn"r tqdrgo u"cuuqekcygf "y kj "cdcpf qpgf "o kpg"uksgu."uwej "cu"cekf "o kpg"f tckpci g." f gi tcf g"qwt"pcwtcn'tguqwtegu0"'Vj tqwi j "y g"tgerco cvkqp"qh"yi gug"r tqdrgo u."qwt "rcpf "cpf "y cvgt" tguqwtegu'ctg'ko r tqxgf 'hqt''dgpghkekcn'wugu'uwej "cu'y knf nhg"j cdkxcv'cpf 'tgetgcvkqpcn'ctgcu0' Cekf "o kpg" f tckpci g" \*COF+" ku" yi g" pwo dgt" qpg" y cvgt" r qmwcpv' kp" yi g" eqcnhkgrf u" qh" yi g" Cr r creej kcp"ctgc"ecwukpi "o clqt"gpxktqpo gpvcn'cpf "r wdrke"j gcnyj "r tqdrgo u0"COF "r tqdrgo u"ctg" qeewttkpi "kp"qyj gt"tgi kqpu"cu"y gm0""QUOT Gøu"ghhqtv'vq"eqpvtqn'cpf "grko kpcvg"COF "kp"uvtgco u" cpf" tkxgtu" uwr r qtvu" yi g" F gr ctvo gpvøu" eqo o kso gpv' vq" engcp" y cvgt" cpf " uvtgpi yi gpkpi " mecn" eqo o wpkkgu0""Dgecvug"qh"yi g"gzvgpv'cpf "j ki j "tgerco cvkqp"equv'qh"yi g"r qmwkqp."yi ku"r tqdrgo " ecppqv'dg"grko kpcvgf "d {"cp {"ukpi ng"i qxgtpo gpv'ci gpe {"qt"i tqwr 0""

Vj g"H[ "4239"dwf i gv'tgs wguv'lpenwf gu"&307"o kmkqp"hqt"Y cvgtuj gf "Eqqr gtcvkxg"Ci tggo gpw0""C" eqo r cpkqp"r tqlgev."vj g"Cekf "F tckpci g"Vgej pqmi {"Kpkkcvkxg"\*CF VK-"ku"wpf gt"vj g"Vgej pqmi {"F gxgmr o gpv'cpf "Vtcpuhgt"dwukpguu'hkpg"cpf "eqpvtkdwgu"vq"vj g"cevkxkkgu"vq"cdcvg"CO F 0"Ugg"vj cv' dwukpguu'hkpg'ugevkqp'hqt'hwtvj gt"f gvckut'qp'CF VKghhqtvu0'

Vj g"Y cvgtuj gf "Eqqr gtcvkxg"Ci tggo gpv'Rtqi tco "\*Y ECR+"y cu'ko r rgo gpvgf "d{"QUO TG"kp"H[" 3;;;0" Vj g" r wtr qug" qh" vj g" Y ECR" ku" vq" o cng" hwpf u" cxckrcdrg" f ktgevn{" vq" pqv'hqt/r tqhkv" qti cpk| cvkqpu."gur gekcm{"uo cm'irqecn'y cvgtuj gf "qti cpk| cvkqpu."vq"wpf gtvcng"mecn'r tqlgew'vq"engcp" uvtgco u"ch'ngevgf "d{"cekf"o kpkpi "f tckpci g"\*COF+0"'Cr r rkecpwu"pqto cm{"tgegkxg"wr "vq"&322.222" hqt"gcej "tgerco cvkqp"r tqlgev"r tko ctkn{"hqt"r tqlgev'eqpuvtwevkqp="j qy gxgt."cf o kpkrvtcvkxg"equwu" cuuqekcvgf "y kyj "eqo r ngvkqp"qh'vj g'r tqlgev'o c{"dg"cmqy gf 0"'Cr r rkecpwu"ctg"tgs wktgf "vq"j cxg"qvj gt" r ctvpgtu"eqpvtkdwkpi "gkyj gt"hwpf kpi "qt"kp/mkpf "ugtxkegu0'

QUO TG" r ctvlekr cvkqp" y kij "qvj gt" hwpf kpi "uqwtegu" j cu" kpetgcugf "mecn" xqnwpvggt" kpvgtguv' cpf "kpxqnxgo gpv'kp"mecn'y cvgtuj gf "r tqvgevkqp"cpf "tgo gf kcvkqp"r tqlgevu0""Vj gug"r tqlgevu"ctg"f guki pgf "vq'ko r tqxg"cf xgtug'y cvgt "s wcrkv{ "ko r cevu'htqo "r cuv'o kpkpi "cevkxkv{ 0'

Hqmqy kpi "ctg"gzco r rgu"qh"r tqlgevu"hwpf gf "wpf gt"yj g"Y ECR<""

Htkpf u"qh"y g"Ej gcv."Y guv'Xkti kpkc<""Qpg"qh"y g"o quv'ko r cevef "ctgcu"hqt"cdcpf qpgf "eqcn"o kpg" ftckpci g"kp"Y guv'Xkti kpkc"ku"y g"Ej gcv'Tkxgt"y cvgtuj gf "y j kej "ku"eqo r tkugf "qh"crrtqzko cvgn{" 3.644"us wctg"o krgu"qh"f tckpci g"ctgc0"'O wej "qh"y ku"y cvgtuj gf "ku"ugxgtgn{"ko r cevef "d{"COF"cpf" j cu"dggp"y g"hqewu"qh"y g"Htkgpf u"qh"y g"Ej gcv'Y cvgtuj gf "Cuuqekcvkqp"ukpeg"3; ; 70""Cu"r ctv'qh" y gkt"o kuukqp"vq"tgwtp"y cvgt"s wcrkv{"qh"y j g"Ej gcv'Tkxgt"cpf "o cp{"qh"ku"vtkdwctkgu"vq"r tg/o kpkpi "eqpf kkqpu."y g{."cpf "y gkt"r ctvpgtu."j cxg"ko r rgo gpvgf "qxgt"37"COF"r cuukxg"vtgcvo gpv'u{uvgo u"qp"r tkxcvg"cpf "cdcpf qpgf "o kpg"rcpf u"y tqwi j qw'y g"y cvgtuj gf 0"Vj g{"j cxg"o cf g"i tgcv'uvtkf gu"kp" y gkt"ergcpwr "ghqtvu."kpenwf kpi "y g"tgo qxcn'qh'y g"Ej gcv'Tkxgt"o ckpuvgo "htqo "y g"uvcvgou"rkuv'qh"

 $\label{thm:continuous} \begin{tabular}{l} lower to the continuous continuou$ 

Dcdd"Etggm'Y cygtuj gf "kp"Rgppu{mcpkc<"li>p"kg"yj g"hcm'qh"4237."Dcdd"Etggm'Y cygtuj gf "Cuuqekckqp" \*DEY C+"eqo r ngvgf "yj g"hcm'o clqt"COF "tgcvo gpv'r tqlgev'kp"yj g"y cygtuj gf "/"npqy p"cu"yj g"Tqem' Twp"COF "Vtgcvo gpv'U{uvgo 0"Qxgt"322"{gctu"qh"uwthceg"cpf "wpf gti tqwpf "eqcn'o kpkpi "j cf "nghv" qxgt"36"o kngu"qh!Dcdd"Etggm'cpf "hqwt "tkldwctkgu"ugxgtgn{"r qmwgf "d {"COF 0"Kp"tgur qpug"q"yj g" quu" qh" uvtgco u" hqt" lkuj kpi "cpf" cs wcke" j cdkcv." yj g"DEY C" y cu" hqto gf "cpf" dgi cp" uvtgco "tguvqtcvkqp" cevkxkkgu0' Vj g" lktuv" vtgcvo gpv' u{uvgo u" eqpuvtwevgf "kp" 3; ; 2" y gtg" yq" nko guvqpg" fkxgtukqp"y gmu"qp"Nkem'Etggm0"Qxgt"yj g"pgzv'47"{gctu."y q"o qtg"nko guvqpg"f kxgtukqp"y gmu."39" xgtvkecn' lmyy "r qpf u" \*UCRU+" lkxg" nko guvqpg" egmu." cpf " qpg" cpqzke" nko guvqpg" ftckp" y gtg" eqpuvtwevgf 0' "Cpvtko "O kpkpi "dwkn/"c" vtgcvo gpv'r ncpv' vq" vtgcv' yj g"COF" eqo kpi "qwv'qh" yq" fkuej cti gu"lntqo "vj g"Cpvtko "O kpg"Eqo r ngz "cpf" "wtpgf "qxgt"qr gtcvkqp"cpf "o ckpvgpcpeg"qh'vj g" lcekkx{"vqi gyj gt"y kyj "c"vtgcvo gpv'rtwuv'hwpf."vq"DEY C0""Cm'qh'vj gug"u{uvgo u"r nwu"yj g"Cpvtko "lcekkx{" vtgcv' qxgt"32" o knhqp"i cmpu" qh" cekf "o kpg"ftckpci g"r gt"fc{0" Cuukuvcpeg"j cu" dggp" rtqxkf gf "hqt"ukz"eqo r tgj gpukxg"uvtgco "tguvqtcvkqp"r tqlgevu."kpenwf kpi "yj g"tgegpvn{"eqo r ngvgf" rtqlgev'vq"tguvqtg"Tqem'Twp0'C"vqvcn'qh'850 "o knhqp"j cu"dggp"gzr gpf gf "qp"yj gug"r tqlgevu."y kyj "QUO TGzu'eqpvtkdwkqp"8997.222."qt"cdqw'42' "qh'yj g"\qcn0'

Vj ku" uvtgco " tguvqtcvkqp" uveeguu" uvqt {" kmwuvtcvgu" yj g" xcnwg" qh" hkpcpekcn" cpf " qti cpk cvkqpcn" r ctvpgtuj kr u" kp" tgencko kpi " yj g" ngi ce {" qh" cdcpf qpgf " eqcn" o kpgu" cpf " cej kgxkpi " QUO TGøu" gpxktqpo gpvcn'tguvqtcvkqp"i qcnuO'

Vgcej "Y cvgtuj gf "Eqqr gtcvkxg"Ci tggo gpv'Rtqlgev."Y cr gmq"Eqwpv("Kqy c<"F wtkpi "H[ "4237."vj g" Rcy hkpf gtu" Tguqwteg" Eqpugtxcwlqp" cpf "Fgxgrqr o gpv" qti cpk cwlqp" eqo r rgvgf " yi g" Vgcej " Y cvgtuj gf "Tguvqtcvkqp"Rtqlgev"kp"r ctvpgtuj kr "y kij "qvj gt"qti cpk cvkqpu0"Eqqr gtcvkxg"cuukuvcpeg" ht"yi g"r tqlgev"y cu"r tqxkf gf "htqo "yi g"hqmqy kpi ="3+"Kqy c"F kxkukqp"qh"Uqkti"Eqpugtxcvkqp"cpf " Y cvgt" S wcrkv{." 4+" Y cr gmq" Uqkri' cpf " Y cvgt" Eqpugtxcvkqp" F kurtkev." 5+" WU" F gr ctvo gpv' qh" Ci tkewnwtg"6"P cwtcn'T guqwtegu"Eqpugtxcvkqp"Ugtxkeg"cpf."6+"kp/mkpf"Ncpf qy pgt"uwr r qtv0""Vj g" hlpcn' eqpurt we liqp" eqputcev' eqor ngvgf " vj g" tgencocvliqp" hqt" &624.: 340720' " Hqt" gxgt { " &3" vj cv' QUO TG'eqpvtkdwgf ''y tqwi j ''y g'Y ECR. ''y g'r ctypgtu'r wy'kp''&50"'Vj g''Vgcej 'r tqlgev'tgercko gf ''4: " cetgu"qh"f cpi gtqwu"j ki j y cmu. "j c | ctf qwu'y cygt "dqf kgu. "cpf "cekf ke "ugf ko gpv emi i gf "uvtgco "rcpf u" yj cv'y gtg"etgcvgf "d{"vj g"vptgi wrcvgf "uwthceg"eqcn'o kpkpi "qh'vj g"3; 72øu0'Ugtkqwu''Rtkqtkx{"3."4."cpf" 5"y cvgt"s wcrkv{ "eqpegtpu"uwej "cu"j ki j "ugf ko gpv'rqcf u"htqo "wpeqpvtqrgf "twpqhh"cpf "cekf "o kpg" ftclpci g'y gtg'fco ci lpi ''y g'gequ{uvgo u'qh''y g''Uqwy ''Cxgt{'Etggm'c''tkdwct{''vq''y g'Fgu'Oqlpgu'' Tkxgt0"I gqo qtr j ke"P cwtcn'Utgco "F guki p"o gyj qf u"y gtg"wugf "kp"yj g"tgenco cwqp"qh'yj g"Vgcej " r tqlgev0"Y cvgty c{u'cpf 'etggmu'y gtg'f guki pgf 'cpf 'eqpuvtwevgf 'kpvq'vj g'tgencko gf 'hcpf uecr gu'vj cv' kpeqtrqtcvg"o ketq"y cvgtuj gfu"cpf "pcwtcn'uvtgco "o gcpfgtu0""Vj gug"hgcwtgu"gpeqwtci g"uvcdkrkv{" cpf "o ko ke"mecn'untgco "xgmekskgu"cpf "umr gu0""Vj g"tguwnv'qh"vj gug"tgenco cvkqp"gpf gcxqtu"y cu"c" o qtg"pcwtcn'rcpf uecr g"vj cv'dngpf u"kpuq"vj g"uwttqwpf kpi "ci tkewnwtcn'r cuwtgrcpf 0"Vj g"Vgcej "ukg" y cu" qpeg" f gvtko gpvcn' vq" vj g" nqecn' gpxktqpo gpv' y kj " ku" vqzke" COF0' Vj tqwi j " kppqxcvkxg" gpi kpggtkpi ."j ctf "y qtm"cpf "uwr r qtv'd { "o wnkr ng"qti cpk cvkqpu."vj gug"j c| ctf u"y gtg"gnko kpcvgf 0" Vqf c { "vj g"tgercko gf "ukg"dngpf u"kp"uq"y gm'y kj "vj g"uwttqwpf kpi "ncpf uecr g."vj cv'kv'ku"kpetgf kdn { "f khhewn'vq'vgm'y cv'cp"cdcpf qpgf 'uwthceg"o kpg"gxgt "gzkuvgf "vj gtg0'



Vgcej "Uksg'Rtg/tgenco cvkqp"" Rj qvq" Eqwtvgu ("qh" Vtkh {ftq Corporation+"



<u>Vgcej "Ukg"Rquv/tgerco cvkqp"</u>\*Rj qvq"Eqwtvgu{ "qh"Vtkh{f tq Corporation+"

### e. Civil Penalty Reclamation Projects

 $\label{thm:local-control} Hgf\ gtcn''ekxkn''r\ gpcnkgu''eqngevgf\ ''wpf\ gt''Ugevkqp''73:\ ''qh''UO\ ETC''ctg''cwj\ qtk'\ gf\ ''vq''dg''wugf\ ''hqt''\ tgencko\ kpi\ ''ncpf\ u''o\ kpgf\ ''cpf\ ''cdcpf\ qpgf\ ''chxgt''r\ cuuci\ g''qh''UO\ ETC''qp''Cwi\ ww''5.''3;\ 990'''Vj\ gug''\ hwpf\ u''ctg''f\ gtkxgf\ ''htqo\ ''o\ qpgwct{''ekxkn''r\ gpcnkgu''htqo\ ''QUO\ TG/kuuvgf\ ''ekxkqpu''pcvkqpy\ kf\ g0'''Vj\ g''\ hwpf\ u''ctg''cnq''cxckrcdng''hqt''tgenco\ cvkqp''qh''dqpf\ ''hqthgkwtg''ukvgu0'''Vj\ gug''hwpf\ u''ctg''f\ kxkf\ gf\ ''co\ qpi\ ''\ rtqlgewu''r\ tqr\ qugf\ ''d{''dq'j\ ''Uvcvg''cpf\ ''Hgf\ gtcn''tgi\ wrcvqt{''cwj\ qtkkgu''cpf\ ''wugf\ ''hqt''r\ tqlgev''equwu''\ qpn{0'}$ 

Ukpeg" yi g"o clqt"eqcni'r tqf wekpi "Uvcvgu"cf o kpknvgt" yi gkt"qy p"r tqi tco u."ekxkni'r gpcnv{"tgxgpwgu" cxckrcdrg" vq"QUO TG"ctg"rko kxgf "cpf" pqv'uwhhkekgpv'hqt"cmi'r tkqtkv{"r quv/cev'tgenco cvkqp" pggf u0" Ewttgpv'r tqlgewi'kpenwf g<"

Y j ggn! Tkf i glF cp" Dtcpej " Tgerco ckqp" Rtqlgev." Vgppguugg<" Kp" Hl " 4235." QUO TG"cy ctf gf "&426.367" q"Vj g"J "I tqwr "hqt" yj g"Y j ggn! Tkf i glF cp" Dtcpej " Tgerco ckqp" Rtqlgev' yj cv'eqpukrygf "qh" yj tgg" cdcpf qpgf "uwthceg" o kpgu" kp" Ucqw" cpf "Eco r dgm! Eqwpkgu0" Vj g"r gto kwu "hqt" yj g"o kpgu" y gtg" kurwgf "d{ "Vgppguugg" rtkqt" 'q" yj g"ucvg" tgrlps wkuj kpi "rtko ce{"qh" yj g"eqcn'o kpkpi "tgi wrcyt{"rtqi tco 0" Chygt" QUO TG" curwo gf "rtko ce{"kp"3; : 6." yj g"r gto kwggu" cdcpf qpgf "yj g"ukgu" cpf "hqthgkygf "yj g"tgerco ckqp" dqpf u." yj kej "y gtg" kpcf gs wcwg" htqo "yj g"qwugv0" QUO TG" wugf "yj g"hqthgkygf "dqpf u" vq" eqpf wev'kpkkcn' ukwg" tgerco ckqp" cpf "rcygt" ces wktgf "ekxkn'r gpcnx{"hwpf u"kp" Hl "4236" vq" eqo r rgvg" tgerco ckqp" qh" cm' yj tgg" o kpg"ukgu0" Vj g"Hl "4236" tgerco ckqp" y qtm' eqpukrygf "qh" tgo qxkpi "y q" qpf u" eqpxgtvkpi " yj tgg" r qpf u" kpvq" y gwcpf u." tguvqtkpi " chigevgf" uvtgco " ej cppgnu."</p>

kpuvcmkpi "tkr tcr "nkpgf "ej cppgnu"cpf "f kxgtukqp"f kej gu."tgxgi gvcvkpi "dctg"ctgcu." cpf "r ncpvkpi " vtggu0' " Tgenco cvkqp" ghqtvu" cv" vj g" ukxgu" y gtg" uveeguuhwn' cpf " QUO TG'tgngcugf "vj g'ukxgu'htqo "vj g'kpur gevcdng'wpkxu'hkuv'kp"H[ "42370'

- Hrki j v'; 5" Rwo r " Y gm' Ukg." Rgppu{nxcpkc<" Kp" H[ "4235." QUO TG" cy ctf gf &534.; 27" vq" yi g" Rgppu{nxcplc" F gr ctvo gpv' qh' Gpxktqpo gpvcn' Rtqvgevkqp" hqt gpj cpego gpw'cv'cp'COF'r wo r 'cpf '\tgcv'qr gtcv\qp'qp'\y g'i tqwpf u'qh'\y g'Hrki j v ; 5"P cvkqpcn"O go qtkcn"kp"Uqo gtugv"Eqwpv{."Rgppu{nxcpkc0'Vj ku"kj g"uksg"qh"c emugf " wpf gti tqwpf " eqcn' o kpg." hqt" y j kej " c" o kpg" r qqn' grgxcvkqp" ku" dgkpi o ckpvckpgf "d{"r wo r u"vq" cxqkf "uwthceg" dtgcmqwu." eqpvco kpcvkqp" qh" uwthceg untgco u." cpf " unthceg" y cvgt " gpetqcej o gpv' qp" uki pkhecpv' cur gevu " qh" vj g o go qtkcn0' Vj g" gzkukpi "r wo r kpi "qr gtckqp."cpf "r cuukxg" vtgcvo gpv' y gvrcpf u y gtg"kpuwhhekgpv"vq"tgo qxg"cm"yj g"ktqp"cpf "o cpi cpgug"htqo "yj g"y cvgt "dghqtg dgkpi "fkvej cti gf "kpvq" Nco dgtvu" Twp0' Vj g" rtqlgev' gpj cpego gpvu" kpenvf gf eqpxgtukqp"qh"cp"gzkukpi "vtgcvo gpv"r qpf "kpvq"c"304"cetg"y gvcpf "hqt"ko r tqxgf ktqp"tgo qxcn"cpf "eqpurt we ktqp"qh"c"rko gurqpg"o cpi cpgug"tgo qxcn'dgf 0""Y kij kp c"{gct"qh"dgkpi "eqpuxtwevgf ."vj g"y gwcpf "ku"tgf wekpi "vj g"ktqp"eqpegpytcvkqp"vq dgwgt"yj cp"tgi wrcyqt { "y cygt"s werkv{ "uvcpf ctf u"cpf "yj g"o cpi cpgug"tgo qxcn'dgf ku"tgf wekpi "yj g"o cpi cpgug"eqpegpvtcvkqp"vq"rguu"yj cp"yj g"cpcn(vkecn'f gvgevkqp nko kw0'Vj g"tgpqxcvgf "vtgcvo gpv'u{uvgo "y qtmu'uq"y gm'vj cv'QUOTG"qti cpk gf "c vgej pqmi {"vtcpuhgt"gxgpv'cv'vj g"ukg"kp"Cwi wuv'4237"vq"uj qy ecug"vj g"vtgcvo gpv vgej pqmi {0"'Vj g"gxgpv'y cu''cwgpf gf "d { "qxgt"322"kpf wuxt { "r tqhguukqpcni'cpf "vj g gxgpv'y cu'f guki pgf ''vq''eqpxg{ ''yj g'llohqto cvlqp''pggf gf ''vq''gpeqwtci g''cwgpf ggu''vq tgr necvg'y g'vgej pqmi {"cv'y gkt'vtgcvo gpv'ukgu0
- Fcfg" Eqwpv(" O kpkpi " Eqo r cp{" Rgto ki" %/ / P qp/9." I gqti kc<" Kp" Hl " 4237. QUO TG"wugf "&52: .973@2"qh"ekxki"r gpcnv{"tgenco cvkqp"hwpf u"vq"tgencko "cp"wp/dqpf gf "32/cetg" eqcn" o kpg" uksg" kp" I gqti kc." y j kej " y cu" cdcpf qpgf " kp" 3; : 60 Tgenco cvkqp"ghqtwu"kpenwf gf "f gy cvgtkpi "cpf "dcenthrhpi "o kpg"r kwu."grko kpcvkpi j ki j y cmu." kpeqtr qtcvkpi " gtqukqp" cpf " ugf ko gpvcvkqp" eqpvtqnu." uggf kpi " cpf o wrej kpi ."i tcf kpi ."cpf "r rcpvkpi "vtggu0" Rtkqt" vq"tgenco cvkqp." yj g"uksg"r qugf "c uchgv{" j c| ctf " vq" yj g" r wdrke" cpf " y cu" c" uqwteg" qh" ugf ko gpvcvkqp" vq" cf lcegpv uvtgco u0"T genco cvkqp"ghqtwu"y gtg"eqo r ngvgf "cpf "yj g" j c| ctf u"grko kpcvgf 0</p>
- Kp"4236."QUO TG"cy ctf gf "Credco c"Uwthceg"O kpkpi "Eqo o kuukqp"cp"cf f kkqpcn &722.222" vq" eqpf wev' Rj cug" 4" qh" yj g" Vtgcf y c { ." Kpe0' Ekxkri Rgpcnv{ "Rtqlgev. kpxqnxkpi "c"; 5/cetg"uky0""Vj ku"ctgc"eqpvckpu"cr r tqzko cvgn{ "5.722"rkpgct"hggv'qh j ki j y cm"y kyj "ugxgtcn'ugi o gpvu"eqpvckpkpi "f cpi gtqwu"ko r qwpf gf "y cvgt"dqf kgu cv'yj g"dcug"qh"yj gug"j ki j y cmu0""Qxgt"62"cetgu"qh"yj g"r tqlgev'ctgc"y km'tgs wktg uwduvcpvkcn'i tcf kpi "vq"cej kgxg"cr r tqzko cvg"qtki kpcn'eqpvqwt"cpf "vq"eqttgev'umqr g hcknwtgu0""Dcukp"tgeqpuvtwevkqp"cpf "kpuvcmcvkqp"qh"pwo gtqwu"tkr /tcr "f qy p"f tckpu ctg"pggf gf "vq"ghhgevkxgn{ "eqpvtqn"gtqukqp"htqo "uwthceg"twpqhh0" Tgxgi gvcvkqp"qh yj g"ctgc"y km'lpenwf g"dqyj "i tcuugu"cpf "vtggu0""Vtgg"r ncpvkpi u"y km'lpeqtr qtcvg"yj g Hqtguvt { "T genco cvkqp"Cr r tqcej "eqpegr w0" "Eqpuvt wevkqp"cevkxkkgu"y km'dgi kp"kp 4238"cpf "uj qwrf "dg"eqo r ngvgf "d{"yj g"gpf "qh'42380

#### f. Bond Forfeitures

Dqpf "hqthgkwtg"hwpf u"ctg"o qpkgu"eqmgewgf "htqo "hqthgkwgf "r gthqto cpeg"dqpf u0""Vj gug"hwpf u"ecp" qpn{" dg" wugf " vq" tgemko " rcpf u" y j gtg" y g" dqpf " y cu" hqthgkwgf " cpf " y j gtg" QUO TG" y cu" y g" tgi wrcvqt {"cwyi qtkv{0"Uvcvgu"j cxg"yi gkt"qy p"tgi wrcvqt {"eqcn"r tqi tco "hqt"yi ku"r wtr qug0""Hqthgkwgf " hwpf u"ctg"ukwg/ur gekhke"cpf "ecppqv'dg" wugf " vq" tgemko " qvj gt"ukwgu0' "Uwtr nxu" co qwpvu"o wnv'dg" tgwtpgf "vq" yi g"qr gtcvqt0"Cngtpcvkxgn{.'y j gp"yi g"hqthgkwgf "dqpf "co qwpv'ku"kpuwhhkekgpv'vq" tgemko " yi g" ukwg." yi g" qr gtcvqt" ku" nkcdng" hqt" yi g" gzeguu" tgemco cvkqp" equvu0' "Wukpi " yi g" hqthgkwgf "hwpf u." QUO TG" kuuwgu"cpf "cf o kpkurgtu"eqpvtcewu"hqt" tgemco cvkqp"kp" ceeqtf cpeg"y kyj " yi g"o kpkpi "r rcp" f gxgmqr gf " f wtkpi " yi g" r gto kv' cr r nkecvkqp" r tqeguu0' "QUO TG" tgemcko u" ukwgu" yi cv' j cxg" dggp" cdcpf qpgf "cpf "hqthgkwgf "kp"Hgf gtcn'r tqi tco "Uvcvgu0"Dqpf "hqthgkwtg"ku"cp"ko r qtvcpv'eqo r qpgpv' qh'QUO TGxu'o kuukqp"vq'tguvqtg"rcpf u'pqv'cf gs wcvgn{"tgemcko gf "chwgt"o kpkpi 0""

QUO TG"hqthgkgf "yi g"r gthqto cpeg"dqpf u"hqt" yq q"r gto ku"hp" Vgppguugg "f wtkpi "H[ "42370""Vj g" uksgu. "mqecvgf "hp"Hgpvtguu"Eqwpv{."Vgppguugg." y gtg"r gto kwgf "d{"J qqf "Eqcni Eqtrqtc kqp0""Vj g" eqo r cp{"eqo r ngvgf "kpkkcni tgemo cvkqp"ghhqtw" cv'dqyi "uksgu"r tkqt" vq "hqthgkwtg0""J qy gxgt." yi gkt" tgxgi gwckqp "ghhqtw" cv'yi g"J qqf vqy p"o kpg"uksg"hckngf "cpf "uwduvcpvkcni tcf kpi ." ugf ko gpv'tgo qxcni htqo "r qpf u." cpf "uggf kpi "y gtg"pggf gf "vq"eqo r ngvg"tgemo cvkqp"qh" yi g"uksg"cpf "r tgxgpv'qhh/uki j v' ko r cew0""Vj g"dqpf "y cu"kpcf gs wcvg" vq"eqo r ngvg" yi g"pggf gf "y qtmi cpf "c"tgs wguv"hqt"ekxkni'r gpcnv{" o qpkgu"y cu"tgs wktgf "dghqtg" yi g"lqd "eqwrf" dg"tgemclo gf 0"Vj g"tgemco cvkqp"ghhqtwi'y gtg"eqo r ngvgf " kp"Qevqdgt"42370""Vj g"qyi gt"uksg." Vct"I cr "o kpg." j cu"yi g"r qvgpvkcni'hqt"mpi /vgto "y cvgt"s wcrkv{" r tqdngo u" f wg" vq" cekf "o kpg" f tckpci g0" "Vj g"r quvgf "dqpf "uj qwrf" eqxgt" yi g" guvko cvgf "equv" qh" tgemclo kpi "yi g"Vct"I cr "o kpg." gzenwf kpi "cp{"y cvgt" tgcvo gpv'qdrki cvkqpu0'

### 3. Program Development and Maintenance

Vj g"Rtqi tco "F gxgmr o gpv'cpf "O ckpvgpcpeg"cevkxkv{ "ku"cp"kpvgi tcn'r ctv'qh'vj g"Uvcvg"cpf "Vtkdcn' hwpf kpi "r tqi tco 0' "Vj g" H[ "4239" dwf i gv' r tqr qugu" &507" o kmkqp" kp" hwpf kpi "hqt" tgenco cvkqp" r tqi tco "o cpci go gpv'cpf "r tqi tco o cvke"i wkf cpeg"vq"Uvcvgu"cpf "Vtkdgu0'QUO TG"j cu"cp"qpi qkpi "r tqeguu"qh'tgxkgy kpi "gz kuvkpi "r qnkekgu"kp"vj g"Gpxktqpo gpvcn'Tguvqtcvkqp"dwukpguu"nkpg0"Y j gpgxgt" pgeguuct { ."r qnkekgu"ctg"tgxkugf "vq"o ggv'vj g"gz kuvkpi "pggf "qh'vj g"r tqi tco u"cpf "vq"nggr "cdtgcuv'qh" ej cpi gu'vq'vj g"ncy 0'

QUO TG"cuukuvu"Ucvgu"cpf "Vtkdgu"vq"dvkrf "qp"vj gkt"tgenco cvkqp"uveeguugu"d{"rtqxkf kpi "qpi qkpi "vgej pkecn"cuukuvcpeg"qp"tgenco cvkqp"rtcevkegu"cpf "d{"eqpvkpvcm{"gpj cpekpi "vj g"rtko ce{"i tcpvu"rtqeguu0'

Cp"ko r qtvcpv'r ctv'qh'QUO TGøu"tqng"kp"Uvcvg"cpf "Vtkdg"CO N"r tqi tco "qr gtcvkqpu"ku"yi g"tgxkgy " cpf "cr r tqxcni'qh"UvcvgIVtkdcni'CO N"r tqlgew0""Cmi'CO N"r tqlgew"ctg"eqpukf gtgf "õO clqt"Hgf gtcni' Cevkqpuö"wpf gt"yi g"P cvkqpcni'Gpxktqpo gpvcni'Rqnke { "Cev'\*P GRC+0""Dgecwug"qhi'yi ku."gxgt { "r tqlgevi' o wuv'dg"gxcnwcvgf "d { "QUO TG"r gtuqppgni'wpf gt "P GRC"tgi wrcvkqpu"r tkqt "vq"cr r tqxcn0""Y j krg"o quv' Uvcvgu"cpf "Vtkdgu"eqpf wev'uqo g"qt"cmi'qh"yi g"eqpuwncvkqpu"cpf "f qewo gpvi'r tgr ctcvkqp"r tkqt "vq" uvdo kuukqp"qhi'r tqlgewu"hqt"cr r tqxcn"QUO TG"r gtuqppgni'o wuv'eqpf wev'tgs wktgf "cpcn{ ugu"qhi'yi gug" f qewo gpvu." cuuwtg" yi cv' tgs wktgo gpvu" ctg" o gv." cpf " cr r tqxg" gkyi gt" c" ecvgi qtkecni' gzenwukqp" f gvgto kpcvkqp."c'hkpf kpi "qh'pq'uki pkhkecpv'ko r cevu."qt"cp"gpxktqpo gpvcniko r cev'uvcyo gpv'o'tgeqtf"

qh"f gekukqp."hqt"gcej "r tqlgev0'Vj gug"tgxkgy u"tgs wktg"eqpuwncvkqpu"wpf gt"xctkqwu"qvj gt"Hgf gtcn' ncy u'kpenwf kpi ."P J RC.'GUC"cpf 'vj g'Engcp"Y cvgt'Cev0'

QUO TG" go r j cuk gu" Ucvg." Vtkdcn" cpf "Hgf gtcn" r ctvpgtuj kr u" kp" yj g" CO N" r tqi tco 0' "QUO TG" y qtmu" f ktgevl "y kj "yj g" Ucvgu" cpf "Vtkdgu." yj tqwi j "Ucvg" cpf "Vtkdcn" cuuqekcvkqpu" cpf "y kj "qyj gt" Hgf gtcn'ci gpekgu. "vq" eqqtf kpcvg" cpf "gpj cpeg" tgemo cvkqp0" Uvej "tgmvkqpuj kr u" hquvgt" eqqtf kpcvkqp" guugpvkcn' vq" ncpf "tgemo cvkqp0" P gy "r qrke {"cpf" ej cpi gu" vq" gz kuvkpi "r qrke {"ctg" ektewncvgf" vq" yj g" Ucvgu" cpf "Vtkdgu" hqt" kpr wv" r tkqt" vq" dgkpi "hkpcrkl gf" gpcdrkpi "QUO TG" vq" o cmg" r tqi tco o cvke" f gekukqpu" kp" c" eqmgi kcn' o cppgt0" Gzco r ngu" qh" cevkxkvkgu" kpenvrf g" y qtmkpi "y kyj "Ucvgu IVtkdgu" vq" f gxgrqr" kor tqxgf" uvtcvgi ke" r ncp" o gcuvtgo gpvu" hqt" yj g" CO N" r tqi tco =" j qrf kpi" o ggvkpi uly qtmuj qr u" y kyj "yj g" Ucvg IVtkdcn" i tcpvggu" vq" r tqxkf g" go r nq {gg" vtckpkpi "cpf" vq" nggr" yj go "cdtgcuv" qh" r qrkekgu" cpf "r tqegf wtgu="cpf" uqrkekskpi "kpr wv" htqo "Uvcvgu IVtkdgu" cpf "kpvgtguvgf" r ctvkgu" qp" CO N" kuuvgu" vq" o cmg" kphqto gf" f gekukqpu0'

### a. AML Inventory

QUO TG"o cpci gu"c"pcvkqpcn"gpj cpegf "Cdcpf qpgf "O kpg"Ncpf "Kpxgpvqt { "U{uvgo "\*g/CO NKU+" y j kej "ugtxgu"cu"c"r reppkpi "cpf "gxcnwcvkqp"vqqn"hqt"y g"Uvcvgu. "Vtkdgu. "QUO TG."cpf "y g"r wdrke0"Kp" ceeqtf cpeg" y ky " y g" tgs wktgo gpvu" qh" UO ETC." g/CO NKU" eqpvckpu" f cvc" hqt" mpqy p" grki kdrg" Rtkqtkx{"3"cpf "4."r tg/UO ETC"eqcn"tgerco cvkqp"r tqdrgo u0""Cu"tgs wktgf "d{"UO ETC."QUO TG" r gtuqppgn" tgxkgy " cpf " cr r tqxg" qt" f kucr r tqxg" gcej " pgy " UvcvgIVtkdg" uwdo kwgf " eqcn" tgrcvgf " r tqdrgo " ctgc." qt" tgxkukqp" vq" cp" gzkuvkpi " r tqdrgo " ctgc." vq" o ckpvckp" eqpukuvgpe { " cpf " gpuwtg" eqo r rkcpeg" y ky j" Hgf gtcn"rcy "cpf " tgi wrcvkqpu0"Gcej "r tqdrgo " ku"ercuukhkgf "cu"wphwpf gf ."hwpf gf " kp" r tqi tguu+" qt" eqo r rgvgf 0' " Vj g" g/CO NKU" cnuq" eqpvckpu" kphqto cvkqp" tgi ctf kpi " hwpf gf " cpf " eqo r rgvgf "Rtkqtkx{"5"eqcn"cpf "r quv/UO ETC"eqcn"r tqdrgo u."cu"y gm"cu"kphqto cvkqp"qp"eqo r rgvgf " pqp/eqcn"r tqdrgo u0""Eqcn"r tqlgevu"ugrgevgf "hqt"hwpf kpi "d{"Uvcvgu"qt"Vtkdgu"ctg"eqpvckpgf "kp"g/CO NKU"r tkqt"vq"hwpf kpi ."gzegr v'hqt"yi qug"go gti gpe{"ukvgu"yi cv'o c{"dg"gpvgtgf"chvgt"eqo r rgvkqp" f wg"vq"yi g"ko o gf kcvg'pggf "hqt"tgerco cvkqp0""

 $\label{thm:conditional} Vj\ g''Ucvgu''cpf\ ''Vtkdgu''wug''yj\ g''kpxgpvqt\ \{ \ 'vq''cuukuv''yj\ go\ 'kp''r\ rcppkpi\ ''vq''o\ cmg''hwpf\ kpi\ ''f\ gekukqpu''cpf\ ''\ vq''tgr\ qtv''t\ tqi\ tco\ ''ceeqo\ r\ rkuj\ o\ gpvu'''QUO\ TG''wugu''g/CO\ NKU''q''tgeqtf\ ''cpf\ ''tgr\ qtv''CO\ N'Rtqi\ tco\ ''ceeqo\ r\ rkuj\ o\ gpvu''wpf\ gt''I\ RTCO'''Ucvgu.''Vtkdgu.''cpf\ ''QUO\ TG''j\ cxg''ceeguu''vq''gpvgt''cpf\ ''o\ qf\ kh{''}\ kphqto\ cvkqp''kp''g/CO\ NKU''grgevtqpkecm{0''''}$ 

 $G/CO\ NKU''ku''y\ gd''dcugf\ .''gpcdrkpi\ ''y\ g''r\ wdrke''vq''ceeguu''y\ ku''kphqto\ cvkqp''tgcf\ kn{''xkc''QUO\ TGøu''}$   $y\ gduksg0G/CO\ NKU''kugtu''ecp''ugctej\ ''hqt''kphqto\ cvkqp''cdqww''kpf\ kxkf\ wcrl'Rtqdrgo\ ''Ctgcu''qt''s\ wgt {''y\ g''}\ Kpxgpvqt {0'''Vj\ g''tguwnu''qh''c''s\ wgt {''ecp''dg''uj\ qy\ p''kp''r\ tghqto\ cwgf\ ''tgr\ qtvu.''qt''qp''c''o\ cr\ .''cpf\ ''ecp''dg''\ f\ qy\ pmqcf\ gf\ ''kp''xctkqwu''hqto\ cw0''''$ 

### b. Grants Management

QUOTG" uwr r qtul" cpf "r ct kekr cvgu" kp" I tcpwû qx." vj g" i qxgtpo gp√y kf g" grgevtqpke" i tcpwl" cppqwpego gpv'cpf "cr r nec kqp"u{uvgo ."cpf "vj g"F gr ct vo gpv'qh"vj g"Kpvgt kqt øu"i tcpwl"uko r nkhec kqp" ghqt vu" dcugf "qp" Rwdrke" Ncy "328/3290' "QUOTG" wugu" vj g" F QK' Hkpcpekcn' cpf "Dwukpguu" O cpci go gpv'U{uvgo "\*HDO U+"hkpcpekcn' cuukuvcpeg"o qf wrg"hqt"kpvgtpcn'r tqeguukpi "qh"cm'i tcpv'cpf" eqqr gtcvkxg"ci tggo gpv'qdrki cvkqp"cpf "f gqdrki cvkqp"vtcpucevkqpu"

 $QUOTG"j~cu"~c"f~gegpvtcnklgf"i~tcpvu"o~cpci~go~gpv"~qti~cpkl~cvkqp."y~kyj~"c"~uo~cml"~r~qnlee{"~uvchhl"~cvl"~j~gcf~s~wct~ygtu0""Tgi~kqpcnl"cpf~lhkgnf~qhhkegu"r~gthqto~"f~c{/vq/f~c{"~i~tcpvu"cpf~"r~tqi~tco~"o~cpci~go~gpv0"}}{Ceeqwpvkpi~"~cpf~"~tgr~qt~kpi~"~qeewtu"~wpf~gt"~yj~g"~Hkpcpekcnl~O~cpci~go~gpv"~dwwkpguu"~nkpg"~cevkx~kv{0"~QUOTG"cpf~"yj~g"Uvc~yIVtklcnlii~tcpvggu"eqqr~gtc~yg"vq"o~czko~kl~g"yj~g"~wug"qhl~cxckrcdrg"hwpf~kpi~"cpf~"~qr~gtc~yg"cp~ghhgevkxg"r~tqi~tco~0"I~tcpvggu"r~tqxkl~g"~kpr~w'd{"r~ct~kekr~cvkqp"qp"lqkpvl~ygo~u"cpf~"d{"~tgxkgy~kpi~"cpf~"eqo~o~gp~kpi~"qp"ej~cpi~gu"kp"yj~g"r~tqi~tco~0"~Kp"cf~f~kkqp."QUOTG"r~gtkqf~kecm{"j~qnf~u"~o~gg~kpi~uly~qtmij~qr~u"y~kj~"yj~g"Uvc~yIVtklcrlii~tcpvggu"vq"r~tqxkl~g"~vckpkpi~"hqt"i~tcpvggu"cpf~"vq"nggr~"~yj~go~"cdt~gcuv"qh"r~qnkekgu"cpf~"r~tqegf~wtgu0""Vj~ku"eqqr~gtc~kx~g"y~qtmkpi~"tgrc~kqpuj~kr~"eqpvtkd~wgu"~vq"~uvtgco~nkpgf~cr~r~nkec~kqp"~cpf~"cy~ctf~u"~r~tqeguugu."~lcuvyt~"~qdnki~c~kqp~qhl~lhgf~gtcnl~hwpf~u."~kppqxc~kx~g"~r~tqi~tco~"o~qpkqtkpi~"cpf~"gtuu"r~cr~gty~qtm/kpvgpukx~g"tgr~qt~kpi~"cpf~"equug/qw"qhl~i~tcpvu0'$ 

#### c. Rulemaking

QUO TG" cuukuw" Uvcygu" cpf " Vtkdgu" y kj " f gxgrqr o gpv." cf o kpkutcykqp." ko r rgo gpvcykqp." cpf " o ckpvgpcpeg"qh" yi gkt "crrtqxgf "CO N"rtqi tco u0" F gekukqpu" chhgevkpi "Uvcyg" rtqi tco u"ctg" Hgf gtcri" twrgo cmkpi "cevkqpu0" QUO TG" gxcrwcygu "Uvcyg kpkykcygf" rtqi tco "ej cpi gu" vucwwqt {."tgi wrcyqt {."qt" ej cpi gu" kp" yi g" rtqi tco øu" rtqxkukqpu." ueqr g." qt" qdlgevkxgu+" cu" y gm" cu" QUO TG" tgs wktgf" o qf khkecykqpu" yi cv" ctg" c" tguwry" qh" rgi cn" kpvgtr tgvcykqpu" qt" ej cpi gu" vq" UO ETC" cpf " Hgf gtcri" tgi wrcykqpu0" "Kp" ku" gxcrwcykqp." QUO TG" uqrkeku" rwdrke" eqo o gpvu" yi tqwi j " rtqr qugf" twrgu" rwdrkuj gf "kp" yi g" Hgf gtcri" Tgi krygt." j qrf u" rwdrke" o ggykpi u." o ckpvckpu" yi g"cf o kpkuytcykxg" tgeqtf ." crrtqxgu" qt "f qgu" pqv" crrtqxg" rtqr qugf "Uvcyg" rtqi tco "co gpf o gpvu." cpf "rwdrkuj gu" yi g"f gekukqpu" cu'hkpcritwrgu'kp" yi g" Hgf gtcri Tgi krygt0"

#### ENVIRONMENTAL RESTORATION

#### 2016 PLANNED PROGRAM PERFORMANCE

Kp"4238. 'vj g'r rcppgf "cevkxkkgu'kp''vj g"Gpxktqpo gpvcn'Tguvqtcvkqp"r tqi tco "cevkxkv{ "kpenwf g<"

- Eqp\pwg" r ctvpgtuj kr u" y kj " y cvgtuj gf " i tqwr u" cpf " tgrcvgf " tgerco cvkqp" d{" cy ctf kpi y cvgtuj gf "eqqr gtcvkxg"ci tggo gpvu'\q"kpvgtguvgf "i tqwr u0
- Tgur qpf '\q'Hgf gtcn'CO N'go gti gpekgu'kp'pqp/r tqi tco 'uvcvgu0
- Rtqxkf g'CO N'i tcpvu'\q''Uvcvg''cpf ''Vtkdgu0
- Cej kgxg"yi g"i qcnu"hqt"r gthqto cpeg"o gcuwtgu"kf gpvkhkgf "qp"yi g"I qcn'Rgthqto cpeg"Vcdng hqt" yi ku" dwukpguu" nkpg" cpf "gpi ci g" {qwyi "d{"rtqxkf kpi "gf wecvkqpcn' cpf "go rm{o gpv qrrqtwypkkgu'vq"{qwpi "cf wmu'kp'hkgnf u'cuuqekcvgf 'y kyi "uwthceg'eqcn'o kpkpi "tgenco cvkqp0

#### 2015 PROGRAM ACCOMPLISHMENTS

Kp"4237. 'vj g"o clqt"ceeqo r nkuj o gpvu"kp"vj g"Gpxktqpo gpvcn'T guvqtcvkqp"r tqi tco "cevkxkv{ "kpenwf g<"

- Rtqxkf gf "&44608" o kmkqp"kp" i tcpvu'vq"47" Uvcvgu'cpf '5" Vtkdgu'kp" o cpf cvqt { 'CO N'hwpf kpi 0
- Kortqxgf "rcpf" cyt" j gcnyj "d{"tgerckokpi." qt" okkickpi." y g"gs wkxcrgpv" qh" 34.55; cetgu" qh"rcpf 'htqo 'y g"ghhgewi qh" pcwtcn tguqwteg f gitcf ckqp 'htqo 'r cuv' okpkpi 0
- Cy ctf gf "37"pgy "y cvgtuj gf "eqqr gtcvkxg"ci tggo gpvu"kp"6"Uvcvgu"\*IC."MU."RC."cpf "Y X+vqvcrkpi "&30873"o kmlqp"kp"QUO TG"hwpf u0""Vj ku'ngxgtci gf "qxgt"&905"o kmlqp"kp"r ctvpgtkpi hwpf u0
- Cej kgxgf "r gthqto cpeg"cu"uj qy p"qp"yj g"I qcn"Rgthqto cpeg"Vcdrg"cuuqekcvgf "y kyj "yj ku dwukpguu'rkpg0

# TAB 5 Environmental Protection

#### **ENVIRONMENTAL PROTECTION**

**Environmental Protection Summary of Budget Request** 

				2	017	
(dollars in thousands)	2015 Actual	2016 Enacted	Fixed Costs (+/-)	Program Changes (+/-)	President's Budget	Change from 2016 (+/-)
Regulation and Technology	91,867	91,832	+179	-1,873	90,138	-1,694
State and Tribal Funding	68,590	68,590		-3,129	65,461	-3,129
FTE						
State Program Evaluation	8,616	8,616	+79	+1,766	10,461	+1,845
Improve Implementation				[+1,766]		
FTE	68	88		+6	94	+6
Federal Programs	5,922	5,898	+40	-1,302	4,636	-1,262
Offsetting Collections	[-4]	[+28]		[+1,302]	[+1,330]	
FTE	44	45			45	
Federal Lands	1,534	1,534	+5		1,539	+5
FTE	5	6			6	
Indian Lands	2,441	2,430	+18	-558	1,890	-540
Offsetting Collections	[-1]	[+12]		[+558]	[+570]	
FTE	20	20			20	
Program Development and Maintenance	4,764	4,764	+37	+1,350	6,151	+1,387
Support for NEPA Compliance				[+1,000]	[+1,000]	
Solicitors Support				[+350]	[+350]	
FTE	30	42		+3	45	+3
Total, Environmental Protection	91,867	91,832	+179	-1,873	90,138	-1,694
Total FTE	167	201	_	+9	210	+9

Note: 2015 FTE amounts reflect actual usage. FY 2015 Actuals reflect \$35,000 in additional appropriated funds and \$5,000 of actual collections for permitting fees.

Fixed Costs result in a net increase of \$179,000. Fixed Costs cover pay related items including a pay raise and health plans.

#### **Summary of 2017 Program Changes**

Request Component	(\$000)	FTE
Ucvg"cpf "Vtkdcn'Hwpf kpi "		
<ul> <li>F get gcug'kp''Uvcvg''cpf ''Vtkdcn''Hvpf kpi</li> </ul>	/5.34; "	
<ul> <li>Kortqxg"Korngogpvcvkqp"cpf"Uwrqtv'vq"Uvcvgucpf"Vtkdgu</li> </ul>	- 3.988"	- 8"
Uwr r qtv'hqt'P GRC'Eqo r rkcpeg	- 3.222"	- 5"
<ul> <li>Tgf wevkqpu'\q'dg'eqxgtgf 'd{ ''qhhugwkpi 'eqmgevkqpu qh'hggu'\q'tgxkgy .'cf o kpkuvgt'cpf 'gphqteg'r gto ku kp'Hgf gtcn'Rtqi tco u'cpf ''qp''Kpf kcp''Ncpf u</li> <li>Uqrlekqt''Uwr r qtv</li> </ul>	/3.: 82" - 572"	
Total Program Changes	-1,873	+9

#### **Justification of 2017 Program Changes**

Vj g"4239"dwf i gv"hqt "Gpxktqpo gpvcn"Rtqvgevkqp"ku"&, 2.35: .222"cpf "432"HVG."c"r tqi tco "ej cpi g" qh"/83:: 95.222"cpf "- ; "HVG"htqo "vj g"4238"Gpcevgf "pxgn")

State and Tribal Funding (-\$3,129,000): "Vj g"Hgf gtcn'I qxgtpo gpv'r tqxkf gu"hwpf kpi "vq"Uvcvgu" cpf "Vtkdgu"vq"tgi wrcvg"vj g"eqcn'lkpf wwt {0"Vj ku"tgs wgw'uwr r qtvu"&87.683.222 "kp"hwpf kpi "hqt"vj ku" cevkxkv{."qt"&5.34; .222 "dgrqy "vj g"H[ "4238 "gpcevgf" "gxgn"""

Vj ku'tgf we'kqp''ku''guvko cvgf "vq'hwm( 'hwpf 'vj g''r tqi tco 'dcugf ''qp''yj g''cppwcn'tgwtp''cv''yj g''gpf ''qh''yj g'' i tcpv'e{ergu''qh''cp''guvko cvgf ''&5"o kmlqp''htqo ''Uvcvgu''cpf ''Vtklgu''cpf ''yj g''cxckrcdrg''ectt {qxgt''hwpf u'' htqo ''yj g''r tkqt''{gct'kp''yj ku''cevkxkv{0''''

QUO TG'y kniko r ngo gpv'r tqxkukqpu''vq''tgeqxgt''o qtg''qh''y g''equvu''hqt''ugtxkegu''r tqxkf gf ''vq''kpf wuvt { ''vq''tgxkgy ."cf o kpkuvgt."cpf "gphqteg''r gto kuu''hqt''kuu''Hgf gtcni'cpf "Kpf kcp''Ncpf u''Rtqi tco u''cpf "y kni' uj ctg''kuu''gzr gtkgpeg''y kyj ''y g''UvcvguO'

Y kj this increase."QUO TG"cpvkekr cvgu"ko r tqxgf "gxcnwcvkqp"cpf "tguqnwkqp"qh"kuwwgu"vq"r tgxgpv' wpcpvkekr cvgf "ukwcvkqpu" yi cv"qyi gty kug" o c{"qeewt" cu"qr gtcvkqpu"r tqi tguu." yi gtgd{"ko r tqxkpi "ko r ngo gpvcvkqp"qh"gzkuvkpi "ncy u0""Ucvgu"cpf "Vtkdgu"cnuq"tgn{"qp"QUO TGøu"gzr gtvkug"hqt"vgej pkecn' cuukuvcpeg"cpf "vtckpkpi "yi cv"yi g{"pggf "vq"o ckpvckp"r tqi tco "ghtgevkxgpguu."cpf "a related increase for those activities is requested under Technology Development and Transfer0"Vj ku"kpetgcug"y km' cnuq"ko r tqxg"QUO TGøu"cdkrkv{"vq"o qtg"vko gn{"r tqeguu"Ucvg"r tqi tco "co gpf o gpvu0""

Offsetting Collections (-\$1,860,000): QUOTG kı" yi g" tgi wcvqt {"cwj qtk\{"hqt" yi g" Hgf gtcn" Rtqi tco "Ucvgu"qh" Vgppguugg"cpf "Y cuj kpi vqp"cu" yi gml cu" yi g" Kpf kcp" Ncpf u" Rtqi tco "y j kej "kpenwf gu" yi g" Etqy ." J qr k" cpf "P cxclq" P cvkqp" Vtkdgu0' "QUOTGøu" ewttgpv" uxtwewtg" hqt" equv' tgeqxgt {"\*r tqo wri cvgf "kp"tgi wrcvkqpu+"hqt"yi g"tgxkgy "qh"pgy "r gto kv'cr r nkecvkqpu"eqmgew"cdqw' &62.222"r gt" {gct0""UOETC"cmqy u"QUOTG"vq"eqmgev"ku"equwu"vq"tgxkgy ."cfo kpkuvgt"cpf "gphqteg" r gto ku0"QUOTG"r ncpu"vq"ko r ngo gpv'r tqxkukqpu"vq"tgeqxgt"o qtg"qh"yi g"equwu"qh"r tqxkf kpi "r gto kv' tgxkgy " cpf" o ckpvgpcpeg" ugtxkegu" vq" eqcn'o kpg" qr gtcvqtu." cpf "qhhugv' ku" dwf i gv' y kyj " yi g" eqngevkqpu0'

Solicitor Support for Regulatory Activities"(+\$350,000)<"Hwpf kpi "y km'uwr q tv''40"hwm' vko g" gs wkxcmpy'r qukkqpu"kp" y g"Uqnkekqtøu"Qhhkeg"hqt"y qtm'ur gekhke "vq"eqcn'o kpkpi "kuuwgu0""QUO TG" j cu'o cp{"kuuwgu'y cv'tgs wktg'ngi cn'tgxkgy "cpf "qy gt"Uqnkekqt'uwr q tv0"F wg"vq'y g'ewttgpv'ecr cekv{" qh''y g''ngi cn'uvchh'cxckrcdng. "QUO TG''uvchh'j cxg"pqv'dggp"tgegkxkpi "y g''ugtxkegu''pggf gf "vq"vko gn{" cfftguu" o cp{"kuuwgu." uwej "cu"Uvcvg"r tqi tco "co gpf o gpvu." pgy "cpf" o qfkhkecvkqpu" vq"gzkuvkpi "twrgu." cpf "lkgrf" "kor rgo gpvvkqp"kuuwgu'qp"tgi wrcvqt{"cpf"cdcpf qpgf" o kpg"rcpf" "Hgf gtcn'cpf" "Uvcvg" rtqi tco u0" "QUO TG" j cu"dggp"uwr rqtvkpi "qpg"hwm'vko g"uqnkekqt"xkc"c"tgko dwtucdng"ci tggo gpv'y kij "y g"Uqnkekqtøu"Qhhkeg'hqt"y j g'r cuv'yy q"{gctu'wukpi "cxckrcdng"ectt {qxgt"hwpf u0"""Vj ku'hwpf kpi "y km'rtqxkf g'hqt'y g''eqpvkpwgf "uwr rqtv'qh''qpg"kpf kxkf wcn'cu'y gm'cu'cp"cf f kkqpcn'HVG0"Hwpf kpi 'ku'' tgs wguvgf "kp"dqy "Tgi wrcvkqp"cpf "Vgej pqmi {"cpf"Cdcpf qpgf" O kpg"Ncpf"Tgerco cvkqp"ceeqwpuu'' hqt"c"vqvcn'qh''&859.2220"

Support for NEPA Compliance Activities (\$1,000,000/+3FTE): "Vj g"y qtmqcf "cuuqekcyf" y kj "vj g"f gxgqr o gpv'cpf "tgxkgy "qh"gpxktqpo gpvcn'ko r cev'uvcyo gpw"cpf lqt"gpxktqpo gpvcn' cuuguuo gpw"j cu'dggp"gxqrxkpi "f wg"vq"tgegpv'ecug'ncy 0"QUO TG"j cu'nko kgf "uvchh'cxckrcdrg"vq" r tgr ctg"P GRC "f qewo gpw"cpf "vq"j cpf rg"vj g"tgxkgy "qh"f qewo gpw"r tgr ctgf "d{"qvj gt"Dwtgcwu"qt" lpf wwt {0"Vj ku'r tqr qucn'y kn'lf gxgqr "c"ecf tg"qh'lpf kxkf wcnu'vq"gpuwtg"eqpukuvgpv'cpf "vko gn{" P GRC "eqo r nkcpeg0"Vj ku'y kn'lr tqxkf g"hqt"6"pgy "r qukklqpu0""

MISSION GOAL:"'VQ'RTQVGEV'RGQRNG'CPF''VJ G'GPXKTQPOGPV"
FWTKPI 'EWTTGPV'OKPKPI 'QRGTCVKQPU'CPF''VQ'GPUWTG'VJ CV''VJ G'NCPF''
KU'TGUVQTGF''VQ'DGPGHKEKCN''WUG'CHVGT'OKPKPI 'J CU'EGCUGF0'

Vj g" Gpxktqpo gpvcn' Rtqvgevkqp" dwukpguu' nkpg" r tqxkf gu'' tguqwtegu'' vq'' cf o kpkuvgt'' c" tgi wcvqt {" r tqi tco "qxgt"eqcn'o kpg" qr gtcvkqpu''kp"46"r tko ce {"Ucvgu."kp" Hgf gtcn'r tqi tco "Uvcvgu."cpf "qp" Hgf gtcn'cpf "Kpf kcp"rcpf u0'Vj g"r tqi tco "cf f tguugu''y g"r tqvgevkqp"qh''y g"r wdrke"cpf "gpxktqpo gpv' htqo "y g"cf xgtug"ghlgewi'qh'ewttgpv'o kpkpi ."cpf "tguvqtcvkqp"qh''ncpf "cv''y g"eqpenwukqp"qh'o kpkpi 0" Ewttgpv'eqcn'o kpkpi "qr gtcvkqpu''kpenwf g"qxgt"605"o kmkqp"cetgu''kp"48"Uvcvgu''cpf "qp"yi g"rcpf u"qh'' hqwt" Kpf kcp" Vtkdgu0'"F wtkpi "cevkxg"o kpkpi ."yi g"r qvgpvkcn'tkum'htqo "uchgv{"cpf "gpxktqpo gpvcn'' j c| ctf u"gzkuvu''y kyi kp"yi g"r gto kwgf "ukvg0'"J qy gxgt."dgecwug"qh''tgs wktgf "UO ETC"r tgecwkqpu." nqpi /vgto "ghlgevu''ctg"o kpko kl gf 0'" Kb" yi gug" uchgi wctf u"ctg" pqv' vcngp"f wtkpi "cpf "chvgt" ewttgpv'' o kpkpi ."yi g"pcvkqp"eqwrf "hceg"tgerco cvkqp"equvu''yi cv'hct"gzeggf "yi g"gurko cvgf "&, "dkmkqp"equv''qh'' cff tguukpi "gzkuvkpi "r tkqtkv{"3."4."cpf "5"CO N'r tqdrgo u0'

QUO TG'cf o kpknytu''Hgf gtcn'r tqi tco u''kp''Y cuj kpi vqp''cpf "Vgppguugg0"'QUO TG''cnıq''cf o kpknytu'' yi g'' Kpf kcp'' Ncpf u''Rtqi tco "hqt''o kpkpi "qp''P cxclq''P cxkqp."J qr k "Wyg''O qwpvckp'' Wyg''Vtkdg."cpf "Etqy "Vtkdcn'rcpf u0" 'Uvcygu''cuukuv''QUO TG''yi tqwi j "eqqr gtcxkxg''ci tggo gpwu''vq''tgi wrcyg'o kpkpi "qp'' Hgf gtcn' rcpf u0'' " " "QUO TG'' uwr r qtwu'' Uvcyg'' tgi wrcyqt { "r tqi tco u'' y kyj " i tcpvu'' cpf " ygej pkecn'' cuukuvcpeg0''''

## ENVIRONMENTAL PROTECTION ENCOMPASSES:

Ucvg'cpf "Vtkdcn'Hwpf kpi "

- Ucvg'I tcpw
- Uvcvg'Tgi wrcvqt { 'Cevkxkvkgu
- Eqqr gtcvkxg'Ci tggo gpv'Hwpf kpi
- VtldcnTgi wrcvqt{'F gxgrqr o gpv'I tcpw

 Operational Processes (Program Activities): Rtqi tco "cevkxkvgu"y kyj kp" yi ku" dwukpguu" nkpg" gpuwtg" yi g" gpxktqpo gpv" ku" rtqvgevgf "fwtkpi" uwthceg" eqcn" o kpkpi "qr gtcvkqpu" cpf "yi cv'eqcn'qr gtcvqtu"cf gs wcvgn("tgencko" fkuwtdgf "ncpf" chvgt" o kpkpi "ku" eqo rngvgf ()""

Vj ku"dwukpguu"nkpg"cnuq"rtqxkf gu"hqt"
QUO T Gou"equwu"uq"gpuwtg"vj cv'Uvcvguo''
rtqi tco u"ctg"ewttgpv'y kyj "cm'Hgf gtcn''
tgi wrcvqt { "tgs wktgo gpw0' "Vj g" Uvcvg"
cpf "Vtkdcn' hwpf kpi "rtqi tco "cevkxkv{ "
kpenwf gu"i tcpwu'uq"Uvcvgu"cpf "Vtkdgu'uq"
tgi wrcvg" eqcn' qr gtcvkqpu" qp" rcpf u"
y kyj kp"vj gkt"dqtf gtu0""Hqt"Uvcvgu"y kyj "

eqqr gtcvkxg"ci tggo gpvu."vj ku"cevkxkv{"cnuq"kpenwf gu"i tcpvu"vq"tgi wrcvg"eqcn'qr gtcvkqpu"qp"Hgf gtcn' rcpf u0""

Hlpcm{."vj ku"cevkxkx{"kpenxf gu"i tcpxu" vq"Vtkdgu" vq"f gxgnqr"tgi wrcvqt {"rtqi tco u"cpf" vq"cuukuv" QUO TG"kp"vj g"tgi wrcvkqp"qh"uwthceg"eqcn'o kpkpi "cpf"tgerco cvkqp"qr gtcvkqpu"qp"Kpf kcp"rcpf u0" Vj g" Uvcvg" Rtqi tco "Gxcnxcvkqp" cevkxkx{"hxpf u" QUO TG\u00fau" gxcnxcvkqp" cpf "qxgtuki j v"qh" Uvcvg" rtqi tco u0"Vj g"Hgf gtcn'Rtqi tco "cevkxkx{"hxpf u"QUO TG"cevkxkxkgu"vq"gpuxtg"UO ETC"eqo rnkcpeg"

hqt"pqp/rtko ce{"Ucvgu"\*Ucvgu"y kyj "c"hgf gtcm{/cf o kpkuvgtgf "tgi wrcvqt{"rtqi tco +0""Vj g"Hgf gtcn" Ncpf u" Rtqi tco "cevkxkv{" hwpf u" QUO TGøu" cevkxkvgu" kp" rtgrctkpi "O kpkpi "Rrcp" F gekukqp" F qewo gpwu"hqt"ngcugf "Hgf gtcn"eqcn"cu"y gm"cu"cp{"tgi wrcvqt{"cevkxkvgu"qp"Hgf gtcn"rcpf u"pqv"eqxgtgf "d{"c"eqqr gtcvkxg"ci tggo gpv0'"Vj g"Kpf kcp"Ncpf u" Rtqi tco "cevkxkv{"hwpf u" QUO TGøu"tgi wrcvqt{"tgur qpukdkvkygu"qp"Kpf kcp"Ncpf u0'

QUO TGʻu" Gʻpxktqpo gʻpvcni Rtqvgevkqp" o kuukqp" i qcni r tqo qvgu" tgur qpukdrg" eqcni gʻzvtcevkqp" cpf " cf f tguugu" yʻ g"r tqvgevkqp" qhir vdrke" jʻ gcnyʻ. "uchgv{" cpf "i gʻpgtcni y gʻnct gʻihtqo "yʻ gʻ'cf xgtugʻightgevu" qhi" ewttgpv'uvthcegʻeqcni o kpkpi "cpf "tgemo cvkqp"qr gtcvkqpu"ukpegʻyʻ gʻ'gpcevo gʻpv'qhi"UO ETC'lkp"3; 990" Vj gʻ'r gthqto cpegʻio gcuvtgu"hqt" yʻ ku"i qcnictgʻiyʻ gʻ'r tqvgevkqp"qh" yʻ gʻ'gpxktqpo gʻpv'cpf "r vdrke"htqo " qhhvukgʻ'ko r cevu"tguvnkqpi "htqo "uvthcegʻ'eqcni o kpkpi "qr gtcvkqpu"cpf "uvveeguuhvni tgemo cvkqp"qp" rcpf u" chhgʻevgf "d{" uvthcegʻ'eqcni o kpkpi "qr gtcvkqpu0' "Vj ku" i qcni ku" ceeqo r rkuj gʻf "yʻ tqwi j "yʻg" eqqr gtcvkxgʻ gʻhqtvu"qhi yʻ gʻ' QUO TGʻ'cpf "Uvcvgʻ'cpf "Vtkdcni tgi wrcyt{"qhhkegu0' "Vj gʻ' hqmqy kpi " o gcuvtgu'ctgʻvugʻf "d{"QUO TGʻ'cu'kqf kecvqtu'qhi'cppvcnir gthqto cpeg0'

Qhh'ukg" ko r ceui" ctg" pgi cvkxg" ghhgevu" tguwnkpi "htqo "uwthceg" eqcn" o kpkpi "cevkxkkgu" uwej "cu." drawkpi "qt" y cvgt "twpqhh' y cv'chhgev'r gqr rg. "rcpf ." y cvgt. "qt" uvtwewt gu"qwukf g" y g"r gto kwgf "ctgc"qh" o kpkpi "qr gtcvkqpu"kp" xkqrcvkqp"qh' y g"gzkunkpi "tgi wrcvkqpu0"Vj g"ugxgtkx{"qh' y g"ko r cevu"ku"tcvgf "cu" o kpqt. "o qf gtcvg. "qt" o clqt0" F wg" vq" y g"pcwtg"qh" o kpkpi ." kv"ku"kpgxkcdrg" y cv'uqo g"ko r cevu"y km" qeewt. "y qwi j "y g{"uj qwrf" dg" o kpko k gf "y j gp" r quukdrg. "cpf" gxgt {qpg"uj qwrf "y qtm' vq" r tgxgpv'cm' qhhukg'ko r cevu0'

Cetgu'tgrgcugf 'htqo 'Rj cug'K'KK'qt 'KKK'Dqpf 'T grgcug0''Vj ku'r gthqto cpeg'o gcuwtg'ku'y g'pwo dgt'qh' cetgu'qh'ircpf ''y cv'ctg'tgercko gf ''gxgt { "{gct"d{"cevkxg"eqcn'o kpg"qr gtcvqtu."cpf ''ku'f gr gpf gpv'qp''y g'' qr gtcvqt ''vq''hkrg''cp''cr r rkecvkqp''hqt''y g''tgrgcug0'Vj ku''ku'f qewo gpvgf "cpf "o gcuwtgf ''y tqwi j "c'ugtkgu'' qh''dqpf ''tgrgcugu0'Vj g''dqpf u''ctg''tgs wktgf ''vq''cuwtg''y cv'hwpf u''ctg''cxckrcdrg'hqt''tgerco cvkqp''kp''ecug'' y g''qr gtcvqt''hckru''vq''tgercko ''y g''o kpgf "rcpf 0"'Rj cug''KKCdqpf "tgrgcug''uj qy u''y g''pwo dgt''qh''cetgu'' y cv''j cxg''dggp''hwn{ "tgercko gf ''htqo "ewttgpv''o kpkpi "qr gtcvkqpu."cpf "j cxg''o gv''y g''r gthqto cpeg'' uvcpf ctf u0'

Rgtegpv'qh'o kpgf "cetgci g"tgencko gf ku"ewttgpvn{ "tgrtgugpvgf "cu"c"tcvkq"qh'vj g"ewo wncvkxg"pwo dgt" qh'cetgu'tgencko gf "cpf "vj g"ewo wncvkxg"pwo dgt"qh'o kpgf "cetgu0""

Actions Required to Achieve Annual Goals: "QUO TG" eqpvkpwgu" ku" qwt gcej "vq" kpvgt guvgf "rct kgu" vq"cfft guw eqpegt pu"t grevgf "vq"o qwpvckpvqr "tgo qxcri'qr gtc kqpu. "cekf "o kpg"ft ckpci g. "qvj gt" y cvgt" rqmwkqp. "cpf" unwtt {"cpf" qvj gt" kor qwpfo gpw. "vq" gxcnwcvg" ku" twgu. "vq" cfxcpeg" eqcri'tgo kpkpi "ghqt vu. "vq" gpeqwtci g"tghqt guvc kqp. "vq" gpuwt g"o kpgu"ctg"rt qrgtn {"dqpfgf."cpf" vq" gpuwt g" y cv" eqpvgor qtcpgqwu"t gercockqp" ku"qeewt kpi 0""QUO TG" y km" eqpvkpwg" vq" rtcekeg" eqqrgt cvkxg" eqpugt xcvkqp" yitqwij" yqtnkpi "kp" rct vpgtuj kr" y kj "Uvcvgu"cpf" Vtkdgu" vq" ectt {"qw" yig" o knukqp" qh" yig"UO ETCO" Vjg" uj khv"kp" QUO TG ("ku"qrg" htqo" fktgev"gphqtegogpv" vq" qxgtukij v"jcu" tghqewugf" cevkqpu"qp" o knukqp" ceeqor rkujogpv'yjkrg" hquvgt kpi "dgwgt" yqtnkpi "tgrc kqpuj kru'y kj" UvcvguO'

Resources, Skills, and Technology Needed:""Rtqi tco "cpcn{uw."tgenco cwqp"ur gekchuw."i tcpv" ur gekchuw."cpf "xctlqwu"uwr r qtv'r gtuqppgn'ctg"pggf gf "vq"lo r ngo gpv'vj g"Uvcvg"tgi wncvqt {"r tqi tco "cpf "vq"eqpf wev'r tqi tco "gxcnwcwlqpu0"QUO TG"cpf "vj g"r tlo ce{"Uvcvgu"cnuq"y km'eqpvlpwg"vq"pggf "c"f kxgtug"cpf "o wnwlf kwekr nkpct {"ecf tg"qh'r gtuqppgn'umknngf "kp"wekgpvlyhe"cpf "gpi kpggtkpi "ctgcu"vq"

#### Qllkeg"qllUnt h:eg"O kpkpi "Tgenco cykqp"cpf "Gphqt ego gpv"

tgxkgy "o kpg"r gto ku. "f gvgto kpg"y j gvj gt"r gthqto cpeg"dqpf "eqxgtci g"cpf "co qwpw"ctg"uwhhkekgpv" vq"gpuwtg"tgenco cvkqp. "eqpf wev"o kpg"uksg"kpur gevkqpu. "cpf "ko r ngo gpv"gphqtego gpv"cevkqpu"y j gp" pgeguuct {0"Eqo r wegt"u{uvgo u"r gtuqppgn"ctg"pggf gf "vq"j gnr "o ckpvckp"xctkqwu"f cvc"u{uvgo u. "uvej " cu"vj g"P cvkqpcn"Kpur gevkqp"cpf "Gphqtego gpv"Vtcenkpi "U{uvgo "vj cv"eqpvckpu"f cvc"htqo "QUO TGøu" qxgtuki j v"cpf "tgi wncvqt {"r tqi tco "kpur gevkqpu"0"

Hqt"H[ "4239." y g"Rtgulf gpvøu"Dwf i gv'tgs wguwu"&8707 o krkqp" y l'hwpf "46"Ucvg" tgi wrcvqt { "r tqi tco u" wr "vq" y g"o czko wo "72" r gtegpv' Hgf gtcn'o cvej "rgxgn" cpf "Vtkdcn' tgi wrcvqt { "f gxgrqr o gpv' cpf" c" tgi wrcvqt { "r tqi tco "i tcpv' cv' 322" r gtegpv. "kh" uwdo kwgf "cpf" cr r tqxgf 0" Cf f kkqpcm { ." y ku" co qwpv' y km'r tqxkf g" wr "vq" 322" r gtegpv' lhwpf kpi "hqt" wr "vq" 36" Hgf gtcn' rcpf u" eqqr gtcvkxg" ci tggo gpw' y kyj " Ucvgu' cpf "y tgg' Vtkdcn' tgi wrcvqt { "r tqi tco "f gxgrqr o gpv' tcpw0'

Vj g"H| "4239"dwf i gv'tgs wguv'lpenwf gu"&320"o knkqp."cp"kpetgcug"qh"&30 "o knkqp"qxgt"yj g"4238" gpcevgf "dwf i gv."vq"ko r tqxg"ko r ngo gpvcvkqp"qh"gz knkpi "ncy u"cpf "uwr r qtv''Uvcvgu"cpf "Vtkdgu0""Vj g" tgs wguv''cnuq"kpenwf gu"&608"o knkqp"vq"hwpf "tgi wncvqt {"r tqi tco u"kp"pqp/r tko ce {"Uvcvgu"uwej "cu" Vgppguugg"cpf "Y cuj kpi vqp0"Cnuq"kpenwf gf "kp"yj g"H| "4239"dwf i gv'tgs wguv''ku"&30"o knkqp"hqt" QUO TG"vq"tgi wncvg"eqcn"o kpkpi "qp"Hgf gtcn'ncpf u."&30, "o knkqp"hqt"tgi wncvqt {"r tqi tco u"qp" kpf kcp" Ncpf u." cpf "&804" o knkqp" hqt"r tqi tco "f gxgmr o gpv' cpf "o ckpvgpcpeg" vq" gpuwtg" yj cv' tgi wncvqt {" uvcpf ctf u" cf gs wcvgn{" tghngev' ej cpi gu" kp" vgej pqnqi kgu" cpf " r tqi tco " pggf u0" Cr r tqr tkcvkqp"ncpi wci g"ku'tgs wguvgf "vq"uwr r ngo gpv'yj ku''cr r tqr tkcvkqp"y kyj "&30, "o knkqp"yj cv'y kni' dg"qhhugv'y kyj "eqngevkqpu'hqt'r gto kv'hggu0'

 $\label{thm:compact} Vj\ g''hmpf\ kpi\ ''cpf\ ''HVG''tguqwtegu''tgs\ wktgf\ ''vq''\ o\ ggv''j\ g''cppwcn''r\ gthqto\ cpeg''o\ gcuwtgu0'''Kv'cnuq''kpenwf\ gu''gzco\ r\ ngu''qh''eqqr\ gtcvkxg''y\ qtm''dgw\ ggp''\ QUO\ TG.''Uvcvgu.''cpf\ ''Vtkdgu''vq''tgi\ wncvg''eqcn'o\ kpkpi\ ''cevkxkkkgu''vj\ cv'y\ km''eqpvkpwg''kp''H[\ ''4239''cpf''\ uwr\ r\ qtv'vj\ ku''dwf\ i\ gv'tgs\ wguv0$ 

#### 2017 PROGRAM PERFORMANCE

#### 1. State and Tribal Funding

Vj g"&8707"o kmkqp"tgs wguvgf "hqt"H[ "4239"hqt"Ucvg"cpf "Vtkdcn"Hwpf kpi "tgeqi pk| gu"yj g"pggf "vq" uwr r qtv"yj g"tgi wrcvqt {"r tqi tco u0""Vj ku"tgs wguv"ku"c"tgf wevkqp"qh"&5.34; .222"cpf "hwm( "hwpf u"yj ku" cevkxkv{ "dcugf "qp"yj g"cppwcn"tgwtp"cv"yj g"gpf "qh"yj g"i tcpv"e {ergu"qh"cp"guvko cvgf "&5"o kmkqp"qh" cr r tqr tkcvgf "hwpf u"gcej "{gct0""QUO TG"y km'eqpvkpwg"vq"uwr r qtv"Uvcvg"tgi wrcvqt {"i tcpv"tgs wguwu" d{"tg/f kurkkdwkpi " yj g"cxckrcdrg" r tkqt" {gct" hwpf u" cu" pggf gf " hqt" yj ku" cevkxkv{0" " Vj ku" cevkxkv{" r tqo qvgu"tgur qpukdrg"eqcn'gz vtcevkqp"wukpi "vgej pqmi {"vq"o kpko k| g"yj g"ko r cev'qh"qr gtcvkqpu"qp" r gqr rg. 'uvtwewtgu."cpf 'yj g"gpxktqpo gpv0'

#### a. State Grants

Vj g"r tkpekr cn'o gcpu"qh'r tqxkf kpi "gpxktqpo gpvcn'r tqvgevkqp"y ky kp"vj g"htco gy qtm'qh"UO ETC"ku" yi tqwi j "\$r tko ce{\$"Uvcvgu"yi cv'tgegkxg"Hgf gtcn'i tcpv'hwpf kpi 0"Ewttgpvn{."46"Uvcvgu"ji cxg"cej kgxgf" r tko ce{"cpf"ugtxg"cu"tgi wrcvqt{"cwj qtkkgu"kp"vj g"ko r ngo gpvcvkqp"qh"UO ETC0""Rtko ce{"Uvcvgu" j cxg" vj g" o quv' f ktgev' cpf" etkkecn' tgur qpukdkrkkgu" hqt" eqpf wevkpi " tgi wrcvqt{" qr gtcvkqpu" vq" o kpko kj g"vj g"ko r cev'qh'eqcn'gz vtcevkqp"qr gtcvkqpu"qp"r gqr ng"cpf "vj g"gpxktqpo gpv0""Vj g"Uvcvgu" j cxg"vj g"ecr cdkrkkgu"cpf "npqy ngf i g"vq"tgi wrcvg"vj g"ncpf u"y ky kp"vj gkt"dqtf gtu0"Rtqxkf kpi "wr "vq"c" 72"r gtegpv'o cvej "qh"Uvcvg"hwpf kpi "kp"Hgf gtcn'i tcpvu"vq"r tko ce{"Uvcvgu"gpeqwtci gu"Uvcvgu"vq"vcng" yi ku'tgur qpukdkrkv{."y j krg"gpuwtkpi "vj cv'tgi wrcvkqpu"ctg"eqpukuvgpv'cetquu'vj g"P cvkqp0"""

#### **b.** State Regulatory Activities

Cevkxkkgu"qh"Ucvg"tgi wrcvqt {"cwj qtkkgu"lpenwf g<r gto kv"tgxkgy "cpf "kuuwcpeg."kpenwf kpi "vj g"wug" qh"vj g"Crrnkecpv"Xkqrcvqt"U{uvgo "vq"gpuwtg"vj cv"r gto kuu"y km"pqv"dg"kuuwgf "vq"qr gtcvqtu"y kvj "qwuvcpf kpi "xkqrcvkqpu="kpur gevkqp"cpf "gphqtego gpv="f guki pcvkqp"qh"rcpf u"wpuwkcdrg"hqt"o kpkpi ="cpf "gpuwtkpi "vko gn{ "tgerco cvkqp"chvgt"o kpkpi 0""kp"cf f kkqp. "kpf kxkf wcn"Ucvgu"o c{ "eqpf wev'ur gekcn" cevkxkkgu"vq"cf f tguu"ur gekhke"pggf u0""Vj gug"cevkxkkgu"o c{ "kpenwf g"wr i tcf kpi "r gto kwkpi "r tqi tco u." eqo r wygtk kpi "u{uvgo u" vq" ko r tqxg" tgxkgy "qh"r gpf kpi "r gto kwu"cpf "f tchvkpi "tgi wrcvkqpu" vj cv' tgur qpf "vq"ej cpi gu"kp"Hgf gtcn'twrgu0'

Cm'cevkxg"cpf "kpcevkxg"uksgu. "hcektkkgu. "cpf "ctgcu"vj cv'uwr r qtv'eqcn'o kpkpi "cpf "tgenco cvkqp"y ksj kp" c" Uvcvg" ctg" kpur gevgf " d{" vj g" Uvcvg" tgi wncvqt {" cwj qtkx{" hqt" eqo r nkcpeg" y ksj " cm' r tqi tco " tgs wktgo gpvu0' " Hgf gtcn' tgi wncvkqpu" tgs wktg" cm' cevkxg" kpur gevcdng" wpksu" wpf gt" vj g" r gto cpgpv' r tqi tco "vq"j cxg"hqwt "eqo r ngvg"cpf "gki j v'r ctvkcn'kpur gevkqpu" r gt" { gct0" Hqwt "eqo r ngvg" kpur gevkqpu" ctg" tgs wktgf "cppwcm{ 'hqt"cm'kpcevkxg" wpksu0'

Eqpukuvgpv''y kij "'y g"kpvgpv''qh''UO ETC"'y cv''Uvcvgu''vcng"'y g"rgcf "kp"tgi wrcvkpi "eqcn'o kpkpi ."'Uvcvgu'' r gthqto gf '94.567'kpur gevkqpu''kp"H ''42370'''Ugg"Vcdrg''40''''

87"

#### c. Cooperative Agreements – Federal Lands

Eqqr gtc\kxg"ci tggo gp\u"y kj "QUOTG"cmqy "U\c\yu"\q"tgxkgy "r gto k\"crr r\ec\kqpu"cpf "kuu\y"r gto k\u". cpf "eqpf \text{we'} \text{ ig wktgf "kpur ge\kqpu" qh" tgi \text{we\yf" hcekrk\kgu" qp" Hgf gtcn' rcpf u0" Eqqr gtc\kxg"ci tggo gp\u"r tqxkf g"\hqt"\text{wpkhqto "gphqtego gp\v"qh"U\c\yg"r tqi tco "tgs \text{wtgo gp\u"cv'cm' hcekrk\kgu" y kj kp" \text{ ig "U\c\yg" cpf "tgf \text{weg" dq\text{ if } "f ktge\v' Hgf gtcn' rtqi tco "equ\u"cpf "Hgf gtcn' u\c\h" tgs \text{wktgo gp\u"0""U\c\yg" cpf "tgf \text{weg" dq\text{ if } "f ktge\v' Hgf gtcn' rtqi tco "equ\u"cpf "Hgf gtcn' u\c\h" tgs \text{wktgo gp\u"0""U\c\yg" cpf "tgf \text{weg" dq\text{ if } "f ktge\v' Hgf gtcn' rtqi tco "equ\u"cpf "Hgf gtcn' u\c\h" i c" eqqr gtc\kxg" ci tggo gp\v' \text{ if } "o q\text{wp\v' if c'"c"U\c\yg" o c\n"y \text{ if } "g" tq\text{ if } "c" eqqr gtc\kxg" ci tggo gp\v' \text{ if } "cp" co q\text{wp\v' if } "y g"\text{ ig wc\n' if }

Ewttgpvn{."vj g"hqmqv kpi "36"Ucvgu"j cxg"gpvgtgf "kpvq"eqqr gtcvkxg"ci tggo gpvu"y kj "QUOTG"vq" tgi wrcvg"uvthceg"eqcn'o kpkpi "cpf "tgerco cvkqp"qr gtcvkqpu"qp"Hgf gtcn'rcpf u<"Credco c."Eqmtcf q." Knthpqku." Kpf kcpc." Mgpvwem{."O qpvcpc."P gy "O gzkeq."P qtvj "F cmqvc."Qj kq."Qmcj qo c."Wcj ." Xkti kpkc."Y guv'Xkti kpkc."cpf "Y {qo kpi 0'

#### d. Tribal Regulatory Development and Regulatory Program Grants

Cu'cmy gf "d{" iy g"Gpgti {"Rqrke{"Cev'qh'3; ; 4"cpf "Ugevkqp"932"\*k#"qh'UOETC."QUOTG"r tqxkf gu" i tcpwi" vq" yi g"Etqy "cpf" J qr k' Vtkdgu" cpf " yi g"P cxclq"P cvkqp" vq" cuukw' yi go "kp" f gxgrqr kpi " tgi wrcvkqpu" cpf " r tqi tco u"hqt" tgi wrcvkqpi "uwthceg" eqcn'o kpkpi "cpf "tgeroo cvkqp" qr gtcvkqpu" qp" kpf kcp"rcpf u0""Vj g"i tcpv'co qwpwi"ctg"dcugf "qp"gcej "Vtkdgøu"cpvkekr cvgf "y qtmqcf "vq"f gxgrqr "c" Vtkdcri'r tqi tco "\*kpenwf kpi "Vtkdcri'rcy u." tgi wrcvkqpu"cpf "r qrkekgu+:"vq"cuukuv'QUOTG"y kyj "uwthceg" eqcn'o kpg"kpur gevkqpu"cpf "gphqtego gpv'\*kpenwf kpi "r gto kwkpi "cevkxkkgu."o kpg"r rcp"tgxkgy "cpf" dqpf "tgrgcug+:"cpf "vq"ur qpuqt"go r rq {o gpv'vtckpkpi "cpf "gf wecvkqp"eqpegtpkpi "o kpkpi "cpf"o kpgtcri tguqwtegu0""Vj gug'i tcpvu'hwpf "322"r gtegpv'qh'vj g"Vtkdcri'r tko ce{"f gxgrqr o gpv'cevkxkkgu0"""

Vj g"Uwthceg"O kpkpi "Eqpvtqn'cpf "Tgenco cvkqp"Cev'Co gpf o gpwu"qh'4228"rtqxkf gu"hqt"Kpf kcp" Vtkdgu"vq"crrn{"hqt."cpf "qdvckp"crrtqxcn'qh "c"vtkdcn'rtqi tco "tgi wncvkpi "kp"y j qng."qt"kp"rctv." uwthceg'eqcn'o kpkpi "cpf "tgenco cvkqp"qrgtcvkqpu"qp"tgugtxcvkqp"ncpf "wpf gt"vj g"lwtkuf kevkqp"qh'vj g" Kpf kcp"vtkdg0""Vj g"ngi kuncvkqp"cnaq"rtqxkf gu"hqt"322"r gtegpv'hwpf kpi "qh'vj g"equwu"qh'f gxgqnr kpi ." cf o kpkuvgtkpi ."cpf "gphqtekpi "cp"crrtqxgf "vtkdcn'rtqi tco 0'"F kuewuukqpu"qp"vj g"uwdo kuukqp"qh" crrnecvkqpu"hqt" vtkdcn'rt to ce{" dgi cp" kp" 42290' QUO TG" ku" eqpvkpwkpi " vq" tgxkgy " kphqto cn' o cvgtkcnu'\*ucwwg"cpf "tgi wncvkqpu+"cu'vj g{"ctg"tgegkxgf "htqo "vj g"Vtkdgu0""Cp"crrnecvkqp"hqt"vtkdcn'rtko ce{"ku"rtqrqugf "vq"dg"uwdo kwgf "d{"vj g"P cxclq"P cvkqp"kp"vj g"urtkpi "qh'42380""Vj g"Etqy " Vtkdg"cpf "J qr k"Vtkdg"j cxg'pqv'kpf kecvgf "y j gp"vj g{"y km'uwdo kv'cp"crrnecvkqp"hqt"vtkdcn'rtko ce{0"

#### 2. State Program Evaluation

Ucvg"Rtqi tco "Gxcnwcvkqp"cevkxkkgu"ugtxg" yy q"r wtr qugu<" yi g{"f gvgto kpg"y j gvj gt"Ucvgu"ctg" ghhgevkxgn{" korngo gpvkpi " yi gkt" tgi wncvqt{" rtqi tco u" cu" crrtqxgf." cpf " yi g{" rtqxkf g" f qewo gpvcvkqp"vq"yi g"rwdnke"qh"yi g"y qtm"yi cv"QUO TG"cpf "yi g"Ucvgu"ctg"f qkpi 0"

#### a. Oversight Policy and Procedures

QUO TG"cuuwo gu"c"o qpkqtkpi "tqrg"hqmqy kpi "crrtqxcn"qh"c"Ucvg"qt"vtkdcn"UO ETC"tgi wrcvqt {"rtqi tco 0""Vj cv"tqrg"kpenwf gu"dqyj "rtqi tco o cvke"gxcnwcvkqpu"cpf "kpur gevkqpu"qh"kpf kxkf wcn"o kpg" uksgu" vq" f gvgto kpg" y j gvj gt" uvcvgu" y kxj "rtko ce{"ctg"rtqrgtn{"cf o kpkuvgtkpi ." ko r ngo gpvkpi ."o ckpvckpkpi ." cpf "gphqtekpi " y gkt" tgi wrcvqt {"rtqi tco u0' "F gvckrgf" i vkf cpeg" ku"rtqxkf gf "cpf" cxckrcdng"qp"QUO TGxu'y gduksg0"O clqt 'r qrke{"f qewo gpvu"kpenwf g<"

Fltgeldag" TGI /:." Qxgtuki j v' qh" Ukcyg" Tgi wrcyt { "Rtqi tco u" guvcdrkuj gu" r qrkelgu." r tqegf wtgu." cpf " tgur qpukdkrklgu" hqt" eqpf wevkpi " qxgtuki j v' qh" Ukcyg" cpf " Vtkdcri" tgi wrcyt { "r tqi tco u0" Ki"guvcdrkuj gu"hqto wrcu"cpf "etkytkc"hqt" y g"pwo dgt"cpf "v{r g" qh"qxgtuki j v"kpur gevkqpu0" Ki"cnuq "eqpvckpu"f gvckrgf "kpuvtwevkqpu"qp"f cvc"eqmgevkqp" cpf "r tgr ctcvkqp"qh" y g"cppwcri"gxcnwcvkqp"tgr qtv."cu"y gm"cu"r wdrke"r ctvkekr cvkqp"kp" y g"gxcnwcvkqp"r tqeguu0'

 $\label{eq:condition} \frac{F \, ktgev \, kxg'' \, TGI \ / 45.'' \, Eqtt \, gev \, kxg'' \, Cev \, kqpu'' \, hqt'' \, Tgi \, we \, vqt \, \{ "\, Rtqi \, tco \, "\, Rtqd \, rgo \, u'' \, cpf \, " \, Cev \, kqp'' \, Rrepu'' \, f \, guet \, kdgu'' \, j \, g'' \, eqtt \, gev \, kxg'' \, cev \, kqp''' \, tqeg \, wtgu'' \, j \, cv'' \, cr \, r \, ("y \, j \, gp'' \, QUO \, TG'' \, kf \, gp \, wh \, kgu''r \, tqd \, rgo \, u''y \, kj \, " \, Uvc \, y'' \, qt'' \, Vt \, kden'' \, tgi \, we \, vqt \, \{ "r \, tqi \, teo \, .''qt''y \, kj \, " \, Uvc \, y'' \, qt''' \, Vt \, kden'' \, cev \, qpu'' \, vengp'' \, wpf \, gt'' \, j \, cv''r \, tqi \, teo \, .''qi''y \, cy'' \, eqw \, f \, .''kh'' \, rgh'' \, wpef \, f \, tguugf \, .''tguwn'' \, kp'' \, c''hekm \, tg'' \, d \, \{ "y \, g'' \, Uvc \, y'' \, qt''' \, Vt \, kdg'' \, vq'' \, ghhgev \, kxgn \, \| \, v \, r \, rgo \, gpv.'' \, cf \, o \, kpk \, wgt \, .''gphqteg.''qt''o \, ckpv \, kp''ku''er \, r \, tqxgf''r \, tqi \, teo \, 0'''$ 

Cu'r ctv'qh'vj g''r tqeguu."c''Rgthqto cpeg''Ci tggo gpv'ku''f gxgmr gf "hqt"gcej "uvcvg"cppwcm{0'QUOTG" uqrkeku" kpr ww' htqo " cm' kuu' uvcmgj qnf gtu." y j kej " kpenwf gu" vj g" r wdrke." Uvcvg" ci gpekgu." Hgf gtcn' ci gpekgu. "cpf "vj g''eqcn''kpf wuxt{."hqt"tgnxcpv''kuuwgu"vq"tgxkgy "kp"gcej "uvcvg0' Vj g''Rgthqto cpeg" Ci tggo gpv''ku''c"eqo r tgj gpukxg"r ncp"vj cv''qwwkpgu"vj g"tgur qpukdkrkkgu"cpf "cevkxkkgu"qh''dqvj "vj g" Uvcvg"cpf "QUOTG0'K''r tqxkf gu''f gvcknu''cdqww''ur gekhle"r tqi tco "gxcnwcvkqp"i qcnu''hqt 'gcej "uvcvg"cpf" vj g''r ncpu"vq"cej kgxg"vj qug''i qcnu."vj g"v{r gu''cpf "pwo dgt"qh''kpur gevkqpu"QUOTG''r ncpu"vq"eqpf wev" vgej pkecn''qt"r tqi tco o cvke"cuukuvcpeg"vj cv''QUOTG"o c{"tgpf gt"vq"vj g"uvcvg"cpf"vj g"o gvj qf "vq" tguqnxg"cp{"kf gpvkhkgf"r tqdngo u."dqvj "pgy"r tqdngo u"cpf"cp{"kuuwgu"tgo ckpkpi "htqo"r tgxkqwu" {gctu0"

#### b. Oversight Inspections

 $\label{total control of the contro$ 

qxgtuki j v'kpur gevkqpu'vq'xcnkf cvg''cpf "gpj cpeg" y g"etgf kdkrk{ "qh''dqvj "vj g"tgi wrcvqt { "rtqi tco "cpf" y g"qxgtuki j v''rtqeguu0' Kp" cff kkkqp." cv'' rgcuv'' 55" r gtegpv'' qh'' y g" kpur gevkqpu'' eqpf wevgf "y km'' dg" eqo r rgvg''kpur gevkqpu0'''Eqo r rgvg''kpur gevkqpu''cmqy "hqt"c"eqo r tgj gpukxg." eqo r rgvg''tgxkgy "qh''y g" gpvktg"o kpg''ukxg''y j kej "hwtyj gtu''QUO'T Gøu''cdkrkv{ "vq"ghhgevkxgn{ "gxcnwcvg"cpf "o qpkxqt"c"Ucvgøu''qt" Vtkdgøu'tgi wrcvqt { 'rtqi tco 0'

Kp"H[ "4237."QUOTG" eqpf wevgf "3.763" qxgtuki j v'lpur gevkqpu"kp" Ucvgu0'"QUOTG" kpvgpf u"vq" uwuvckp" yi ku"ngxgn'qh'qxgtuki j v'lpur gevkqpu"kp"H[ "4238"cpf "4239" vq"cuuwtg" yi g"kpvgi tkv{ "qh" yi g" tgi wrcvqt {"rtqi tco ."vq"ecr wttg"cf f kkqpcn'f cvc"cpf "kf gpvkh{"o qtg"eqpenwukxg"hkpf kpi u"cpf "vtgpf u0' Vj g"cewcn'pwo dgt"o c{"ej cpi g"f gr gpf kpi "qp" yi g"rtqi tco "ctgcu." yi g"rtgugpeg"qt" cdugpeg"qh" rtqdrgo u."kpr w'htqo "yi g"r wdrke."cpf "yi g"vgto u"qh'yi g'r gthqto cpeg"ci tggo gpvu"kp"gcej "Ucvg0""

#### c. Identifying and Correcting Violations of SMCRA

Kp"r tko ce {"Ucvgu."UO ETC" tgs wkt gu" yi cv" yi g"QUO TG" kpur gevqt "kuuwg"c" Vgp/F c {"P qvkeg" \*VF P +" vq" yi g"Ucvg" Tgi wrcvqt {"Cwj qtkv{"y j gpgxgt."qp" yi g"dcuku"qh" cp {"cxckrcdng" kphqto cvkqp." kpenwf kpi "c" Hgf gtcn" kpur gevkqp" qt" cp {"kphqto cvkqp" tgegkxgf" htqo "c"ekk pp" eqo r rckpv." yi g" kpur gevqt" j cu" tgcuqp" vq" dgrkgxg" yi cv" c"xkqrcvkqp" gz kuu0" "Vj g"Ucvg" tgi wrcvqt {"cwj qtk {"yi gp" j cu" vgp" \*32 +"f c {u"vq" cng" gphqtego gpv" cevkqp. "kpkkcvg" qyi gt" cevkqp" vq" ecwug" yi g"xkqrcvkqp" vq" dg" eqttgevgf. "qt" f go qpuvtcvg" i qqf" ecwug" hqt" pqv" vcmkpi "uwej "cevkqp0" Ka" QUO TG" f gvgto kpgu" yi cv" yi g"Ucvg" tgur qpug" ku" pqv" crrtqrtkcvg." cp" QUO TG" kpur gevqt" y km" eqpf wev" c" Hgf gtcn" kpur gevkqp" qh" yi g"ukvg" cpf" wcmg" cp {" pgeguuct {"gphqtego gpv" cevkqp0" "Vj ku" r tqegf wtg" f qgu" pqv" crrn {"vq" ukwcvkqpu" kp" y j kej "yi gtg" ku" cp" ko o kpgpv" f cpi gt" vq" r wdrke" j gcnyi "qt" uchgv {"qt" kh" yi g"qdugtxgf" qt" cmgi gf" xkqrcvkqp" ku" ecwulpi "qt" ecp" tgcuqpcdn {"dg" gzr gevgf" vq" ecwug" uki pkhecpv "ko o kpgpv" gpxktqpo gpvcn" j cto 0" Kp" yi qug" ecugu." yi g"QUO TG" kpur gevqt" o wuv' kuuwg" c" eguucvkqp" qtf gt" kh" yi g"xkqrcvkqp" ku" qdugtxgf" qp" cp" kpur gevkqp." qt" eqpf wev' c" Hgf gtcn' kpur gevkqp" kh" c'ekk kp" eqo r rckpv' cmgi gu' yi cv' c'xkqrcvkqp" qh" yi ku" pcwt g" gzkuu0'

F wtkpi "H[ "4237."QUO TG"qdugtxgf "pq"ej cpi g"kp"pwo dgt"qh"VF P u"kuuwgf "htqo "H[ "4236"\*72"kp" vqvcn+"j qy gxgt."vj g"pwo dgt"qh"cmgi gf "xkqrcvkqpu"f getgcugf "urki j vn{ "\*htqo "326"vq"; 4+0""QUO TG" y km"eqpvkpwg"vq"y qtm'y kyj "vj g"Uvcvgu"vq"tguqnxg"cp{"qwuvcpf kpi "VF P "kuuwgu0""QUO TG"j cu" r tqegf wtgu"kp"r nceg" vq"o qpkqt"eqttgevkxg"cevkqpu" y j gp" kuuwgu"ctg"kf gpvkhkgf "cu"c"tguwnv"qh" QUO TG"qxgtuki j v'cevkxkklgu0'

QUO TG"cnıq"j cu"cp"qdrki cvkqp"wpf gt"ugevkqp"743"qh"UO ETC"vq"wcng"uvgr u"vq"gpuwtg"y cv"cm"v{r gu"qh" xkqrcvkqpu."kpenwf kpi "xkqrcvkqpu"qh"r gthqto cpeg"uvcpf ctf u"qt"r gto kv"eqpf kkqpu"cpf "xkqrcvkqpu"qh"r gto kvkpi "tgs wktgo gpvu."ctg"eqttgevgf "kh"y g"uvcvg"f qgu"pqv"vcng"cevkqp"vq"f q"uq0"Uj qwrf "c"Uvcvg"qt"Vtkdcri'r tqi tco "pqv'uj qy "vko gn{"cf gs wcvg"ko r tqxgo gpvu."QUO TG"j cu"qy gt"vqnu"wpf gt"52"EHT"Rctvu"954"\*tgs wktkpi "r tqi tco "co gpf o gpvu+"cpf "955"\*eqo r gnkpi "r tqi tco "ej cpi g"qt"uvduvkwvkpi "c"Hgf gtcri'r tqi tco +'vq"gpuwtg"gphqtego gpv'qt"c"r tqi tco "ej cpi g0""

 $\label{thm:continuous} \begin{tabular}{l} $K_p^*$ cf f kkqp" vq" vj g"eqttgevkxg" cevkqpu" r tqeguugu" f guetkdgf "cdqxg." QUO TGøu" Cr r rkecpv' Xkqrevqt" U{uvgo "*CXU+"Qhhkeg" r tqo qvgu" vj g"wug"qh''cnvgtpcvkxg" gphqtego gpv''vq" eqo r gn'eqo r rkcpeg" v kyj "UO ETCO" Cu"r ctv''qh'' vj ku"ghhqtv." vj g"CXU"Qhhkeg" r tqxkf gu"vtckpkpi ."kpxguvki cvkxg" ugtxkegu" cpf "kf gpvkhkgu" ukvgu" vj kyj "qwuvcpf kpi "xkqrevkqpu" hqt" tgi wrevqt {"cwj qtkkgu" vq" eqpukf gt" r wtuvkpi "cnvgtpcvkxg" gphqtego gpv'y j gp"r tko ct {"gphqtego gpv'ku"pqv''gpqwi j 0"Vj gug" cevkxkkkgu''y km''eqpvkpwg" vj tqwi j qwv'H["4238" cpf "42390" \end{tabular}$ 

 $\label{thm:localization} $\operatorname{Vcdm}^4"r\, tqxkf\, gu"f\, cvc"qp"\, ij\, g"pwo\,\, dgt"qh"Ucvg"kpur\, gevkqpu"\, cpf\, "QUO\, TG"qxgtuki\, j\, v"kpur\, gevkqpu"\, eqpf\, wevgf\, "kp"\, r\, tko\,\, ce\, {}\, "\, UcvguO\, "\,\, QUO\, TG\, "kpur\, gevkqpu\, "kp"\, r\, tko\,\, ce\, {}\, "\, ucvgu\, "kpenwf\, g\, "\, qxgtuki\, j\, v'\, kpur\, gevkqpu\, "qh"cm'v{r\, gu"*uwej\, "cu"eqo\, r\, tgj\, gpukxg\, "kpur\, gevkqpu. "hqmqy\,/wr\, ."dqpf\, "hqthgkwtg. "o\, kpg\, "f\, tckpci\, g+ "qxgtuki\, j\, v'f\, qewo\, gpv'tgxkgy\, u. "cuukuvcpeg"kpur\, gevkqpu. "ekkly gp"eqo\, r\, nckpv'ukxg"xkukxu. "cpf\, "\, Hgf\, gtcn'cevkqp"kpur\, gevkqpu. "cu"pggf\, gf\, 0'Ucvy"f\, cvc"ku"hqt"vj\, g"vko\, g"r\, gtkqf\, "qh'Lwn{\,"3."4236. "vj\, tqwi\, j\, "\, Lwpg'52."42370""}$ 

Table 2 – FY 2015 Primacy State and OSMRE Inspections					
		OSMRE			
	Partial	Complete	Total	Total	
Cœdco c"	3; 5"	4.45; "	4.654"	74"	
Creume"	74"	4: "	: 2"	36"	
Ctmcpucu"	63"	43"	84"	4"	
Eqmtcf q"	436"	356"	56: "	34"	
Karkpqku''	839"	554"	; 6; "	2"	
Kpf kcpc"	833"	553"	; 64"	57"	
Куу с"	2"	2"	2"	2"	
Mcpucu"	94"	58"	32: "	5"	
Mgpwem("	33.: 92"	9.365"	3; .235"	537"	
Nqwkukepe"	46"	34"	58"	6"	
Oct{mpf"	79: "	49; "	: 79"	: 4"	
O kuukuukr r k'	38"	:"	46"	7"	
O kuuqwtk''	78"	4: "	: 6"	7"	
O qpwpc"	327"	78"	383"	: "	
P gy 'O gzkeq"	88"	54"	;:"	6"	
Pqtyj 'Fcmqvc''	778"	32; "	887"	9"	
Qj kq"	3.746"	: 76"	4.59: "	63: "	
Qmcj qo c"	4; 3"	46; "	762"	8"	
Rgppu{nxcpkc"	: .239"	7.37; "	35.398"	4: "	
Vgzcu"	557"	378"	6; 3"	. "	
Wcj "	423"	337"	538"	32"	
Xki kpkc"	4.466"	3.583"	5.827"	347"	
Y guv'Xkti kpkc"	39.477"	: .5: : "	47.865"	58; "	
Y {qo kpi "	426"	355"	559"	4: "	
Total	45,142	27,203	72,345	1,541	

#### 3. Federal Programs

Hgf gtcrl'Rtqi tco u"tgi wrcvg"eqcrl'o kpkpi "kp"Ucvgu"y ksj qwv'crrtqxgf "tgi wrcvqt {"rtqi tco u0"'Vj gug" Rtqi tco u"rtqo qvg" tgur qpukdrg" eqcrl' gz vtcevkqp" wukpi "vgej pqrqi {"vq"o kpko ktg" vj g"ko rcev" qh" qr gtcvkqpu'qp'r gqr rg. "uvtwewtgu."cpf "vj g"gpxktqpo gpv0'

Vj g"r gto kl'tgxkgy "r tqeguu"kp"hgf gtcm{"cf o kpknygtgf "r tqi tco u"eqpuknu"qh"tgxkgy "qh"yj g"r gto kl' cr r necvkqp" r cenci g" hqt" cf o kpknytcykxg" eqo r ngygpguu" cpf " ygej pkecn' cf gs wce{."r tgr ctcykqp" qh" hlpf kpi u"cpf " uwr r qtykpi " f qewo gpycykqp." cpf " eqpf weykpi " cp" gpxktqpo gpycn' cpcn{ uku0' "T gxkgy " vko ghtco gu"xct{"f gr gpf kpi "qp"yj g"eqo r ngzkx{"qh"c"r gto kl'cr r necvkqp." yj g"ukt g"qh"yj g"o kpg." cpf " yj g"tgur qpug"yko gu"qh"cr r necpyu"uwdo kwkpi "cf f kkqpcn'kphqto cykqp"tgs wktgf "vq"r tqeguu"yj g"r gto kl' cr r necvkqp0'

Qh'cm'Hgf gtcn'Rtqi tco "Ucvgu."Vgppguugg"j cu''y g"o quv'r gto ku0"Qh''y g''y q''o kpgu''kp''y g''Ucvg''qh'' Y cuj kpi vqp." pgksj gt "ctg" ewttgpvn{"o kpkpi "eqcn' d{" vtcf kskqpcn' o gcpu" dw'' qpg" ku'' eqpf wevkpi "tgrtqeguukpi "qr gtcvkqpu''qh''r tgxkqwnn{/o kpgf "eqcn' f gr quksgf "kp" tghwug''ko r qwpf o gpvu."cpf "y g'' qvj gt"j cu''uwdo kwgf "c''r gto kv''tgxkukqp"cr r necvkqp"r tqr qukpi "vq" tgkpkskcvg"o kpkpi 0"Rtqi tco u''cnuq" ctg"kp"r neeg"hqt"Ctk qpc."Ecnkqtpkc."Ktcj q."O cuucej wugwu."O kej ki cp."P qtvj "Ectqrkpc."Qtgi qp." Tj qf g"Kurcpf."cpf "Uqwyj "F cnqvc."vj qwi j "vj g{"ctg"pqv'ewttgpvn{"r tqf wekpi "eqcn0""Vj g''hqmqy kpi "dwngvu" j ki j rki j v'' ng{"ej ctcevgtkurkeu" qh'' wy q" qh'' vj g" ncti guv'' Hgf gtcn' r tqi tco u." Vgppguugg" cpf "Y cuj kpi vqp0'

Vgppguugg<" Kp" H[ "4237." yj gtg" y gtg" 7" cevkxg" eqcn' r tqf wekpi "ukgu." 44" cevkxg" pqp/r tqf wekpi "ukgu." "kr r rgu." r tgr ctcvkqp" r rcpvu. "gve0+." '98" o kpg"ukgu "klg0" pqp/r tqf wekpi "ukgu" gkij gt" lp" vgo r qtct {"eguucvkqp." o kpkpi "ku"eqo r rgvg." qt" yj g"uksg" ku" wpf gti qkpi "tgerco cvkqp+" cpf "32" cdcpf qpgf "ukgu" lp" Vgppguugg0" Kp" cf f kkqp." 34" eqcn' gzr rqtcvkqp" pqvkegu" qh' kpvgpv' y gtg" qp" j cpf "cv' yj g"gpf "qh' H[ "42370" Vj gtg" ctg" ewttgpvn{"; "pgy "r gto kv' cr r rkecvkqpu" cpf "5" Ukkcr gto ku" vq" dg" kuuvgf "kp" H[ "42380' "Qxgt" yj g"r cuv" hkxg/{gct" r gtkqf" eqcn' r tqf wevkqp" f gerkpgf "htqo "30 5" o kmkqp" vqpu" lp" ecropf ct" {gct" 4232" vq" 2096" o kmkqp" vqpu" lp" ecropf ct" {gct" 42360' "QUO TG" j cu" f kuewugf" y kyj "yj g" Ucvg" yj g" r quukdrg" tgwtp" qh' yj g" r tlo ce {" r tqi tco "qp" pwo gtqwu" qeecukqpu0' """ Vj g" Ucvg" ku" cevkxgn{"r wtuvkpi "f gxgrqr o gpv" qh' tgi wrcvkqpu" cpf "gxcnwcvkpi" yj g" hkpcpekcn' eqo o ko gpw" qh' ko r rgo gpvkpi " c" tgi wrcvqt {" r tqi tco "vpf gt" Vkrg" X" qh' UO ETC "kp" Vgppguugg0'

Cp"kpytci gpe{"i tqwr "eqo r tkugf "qh"Ucvy"cpf "Hgf gtcn"ci gpekgu"kpenwf kpi <'QUO TG."yi g" Cto {"Eqtr u" qh" Gpi kpggtu." yi g" Gpxktqpo gpvcn" Rtqvgevkqp" Ci gpe{." yi g" WUU' Hkuj "cpf "Y krf nkhg" Ugtxkeg" \*WUHY U+:" cpf "yi g" Vgppguugg" F gr ctvo gpv" qh" Gpxktqpo gpv" cpf "Eqpugtxcvkqp" f gxgmqr gf "c" mecn' kpvgtci gpe{"y qtmkpi "ci tggo gpv" \*NKY C+" kp" 4232" vq" ko r tqxg"r gto kv"eqqtf kpcvkqp"kp" Vgppguugg0""Vj g"i tqwr "eqpvkpwgu" vq"o ggv'tgi wrctn{"vq" tgxkgy "pgy "cr r nkecvkqpu" cpf "ko r tqxg" yi g" guvcdnkuj gf "r tqeguugu." tguwnkpi "kp" o qtg" ghhkekgpv'cpf "ghhgevkxg"f gekukqpu"tgrcvgf "vq"eqcn'o kpkpi "cevkxkkkgu0"Cu"c"tguwnv'qh'c"4237" rcy uwkv'kp"Vgppguugg'tgi ctf kpi "WUHY U'cpf "QUO TG'cf j gtgpeg'y kj "yj g"tgs wktgo gpvu"qh" yi g"Gpf cpi gtgf "Ur gekgu"Cev' \*GUC+"cpf "yi g"3; ; 8"Dkqmqi kecn' Qr kpkqp." yi g"NKY C"y cu" o qf khkgf "d{"kpenwf kpi "cp" ghhgevu" f gvgto kpcvkqp" f qewo gpv" f gxgmqr gf "d{" QUO TG" kp" eqqtf kpcvkqp"y kj "WUHY U'vq"qwwhpg"cpf "f qewo gpv" yi g"r tqeguugu"cpf "hkpf kpi u"wugf "vq"

uckuh{" yi g" GUC" qp" UO ETC" r gto kul0' Vj g" f qewo gpv' eqpvckpu" cp" cuuguuo gpv' qh" yi g" dkqqqi kecn'f cvc."cp"ghhgev'f gvgto kpcvkqp"qh'yi g"ko r cevu"vq"GUC"ur gekgu."cpf "cp"gxcnvcvkqp" qh" y j gyi gt" yi g" qr gtcvkqp" y km" eqpuvkwwg" lgqr ctf {" vq" yi g" eqpvkpwgf "gz kuvgpeg" hqt" gcej "tgur gevkxg"GUC"ur gekgul0""Vj g"ghhgevu"f gvgto kpcvkqp"f qewo gpv'ku"kpenwf gf "kp" yi g"qxgtcm" P GRC" cpcn{uku" f qpg" hqt" gcej "crrtqxcdrg" crr rkecvkqp" cpf "ku" kpenwf gf "kp" yi g"r gto kv' f qewo gpvul0'

Kp" cf f kklqp." ugcuqpcn' y cvgt" s wcnkv{ ls wcpkv{ "f cvc" ku" eqngevgf "cppwcm{ "cv" guvcdnkuj gf "QUO TG" tgpf "uvcvkqpu0" F cvc" htqo "vj ku"ghqtv'ku" wugf "vq"gxcnxcvg" cpf "f gxgmr "ewo wrcvkxg" j {f tqmi ke"ko r cev'cuuguuo gpwi\*EJ KC+"hqt"r gto kxlpi "f gekukqpu"kp" vj g"Vgppguugg" Hgf gtcn' Rtqi tco 0"Vj g"vj tgg" ugvu" qh'uco r ngu"kpenxf g"39" vtgpf "uvcvkqpu" f wtkpi "nqy /hnqy "eqpf kxlqpu" cpf " s6" vtgpf " uvcvkqpu" f wtkpi " y kpvgt" o gcp/hnqy " eqpf kxlqpu" cpf " uwo o gt" o gcp/hnqy " eqpf kxlqpu" cpf " uwo o gt" o gcp/hnqy " eqpf kxlqpu" vtqi tco "ko r ngo gpvcvkqp0'

Y cuj kpi vqp<"Vj gtg"ctg"wy q"uwthceg"eqcn'o kpgu"tgi wncvgf "wpf gt"vj g"Y cuj kpi vqp"Hgf gtcn' Rtqi tco 0'"Vj g"Egpvtcrkc"O kpg"r tqf wegf "eqcrl'hqt" yj g"cf lcegpv"Egpvtcrkc"Rqy gt"Rrcpv" dgi kppkpi "kp" 3; 93" wpvkn" P qxgo dgt" 4228" y j gp" yj g" r ctgpv" eqo r cp {." Vtcpu/Cnc" Eqtrqtcvkqp"j cnxgf "o kpkpi "dgecwug"qh"j ki j "equvu"vq"tgeqxgt"vj g'tgo ckpkpi "eqcri)"""Eqcrihqt" yj g"r rcpv"pqy "eqo gu"htqo "yj g"Rqy f gt"Tkxgt"Dcukp0""Qp"Lvn{ ": ."4232."QUO TG"f gpkgf "c" tgs wguv'vq"eqpvkpwg"vgo r qtct { "eguucvkqp"cv'vj g"Mqrkcj "Rkv."cpf "vj g"f gekukqp'y cu'wrj grf "qp" crrgcnDQUOTG"crrtqxgf"qp"Hgdtwct{"45."4234."VtcpuCncøu"qrgtcvkqp"rmp"hqt"tgeqxgt{" qh" eqcn' htqo " eqcn' o kpg" y cuvg" ko r qwpf o gpw0' Eqcn' t geqxgt { " qr gtcvkqpu" dgi cp" kp" P qxgo dgt "42360""Vj ku"qr gtcvkqpu"r rcp"y km"hcekrkxcvg"tgenco cvkqp"qh"vj g"eqcn'o kpg"y cuvg" kor qwpf ogpwu "chwgt" eqcn't geqxgt {0'" Vjg" t geqxgtgf" eqcn'ku "uqnf" vq" vjg" Egpwtchc "Rqygt" Rrcpv0'"Uwej "eqcn'tgeqxgt{"ku"eqpukf gtgf "cevkxg"o kpkpi = "VtcpuCnc"j cu"eqo o kwgf "vq" rc{o gpv'qh'cm'pgeguuct{'hggu''\*tq{cnv{'cpf 'cdcpf qpgf 'o kpg'ncpf +'cuuqekcvgf 'y kij 'o kpkpi '' qh"y ku"eqcn0""VtcpuCnc"j cu"uwdo kwgf "tgxkugf "tgemo cvkqp"r mpu"hqt"hkxg"ctgcu"qh"y g" o kpg0'"Qp"Qevqdgt"4."4234."QUOTG"crrtqxgf"yjg"tgemocvkqp"rmp"hqt"yjg"Egpvtcn" Rceny qqf "r kɨ'ctgc0'"QUO TGou"tgxkgy "qh"yj g"tgxkugf "tgemo cwqp"r mpu"hqt"yj g"P qtyj " J cpchqtf "Rkv." Rkv. "9. "y g" Mqr kcj "Rkv. "cpf "eqcn'o kpg" y cuvg" ko r qwpf o gpw. "5C. "5D. "5E" cpf" 5F "ctg"qpi qkpi "cv'y ku" ko g0" QUO TG"crrtqxcm"qh"y g"tgxkugf "r ccpu"hqt "Rkv'9"cpf "y g" Mqr kcj 'Rkv'ctg'cpvkekr cvgf 'kp'rcvg'42380'

 $\label{lem:condition} Vj g"Rcekhe" Eqcuv' Eqcn' Eqo r cp { "*REE+"o kpg" pgct" vj g"Ekx{ "qh" Drcem' Fkco qpf "j cu" pqv" r tqf wegf "eqcn' ukpeg" 42220 "C" uki pkhecpv' tgxkukqp" cr r necvkqp" vq" tg/eqo o gpeg"o kpkpi "ku" r tqf wegf "eqcn' ukpeg" vq "tg/eqo o gpeg"o kpkpi "tq/eqo o gpeg"o kpk$ 

wpf gt"tgxkgy 0""QUO TG"j cu"wr f cvgf "vj g"EJ KC"cpf "ku"r tgr ctkpi "c"tgxkugf "gpxktqpo gpvcn" cuuguuo gpv'hqt"vj g"uki pkhecpv'tgxkukqp"cr r necvkqp0""

Vcdrg'5'r tqxkf gu'kpur gevkqp'cpf 'gphqtego gpv'f cvc'hqt'Hgf gtcrl'Rtqi tco 'Uvcvgu'f wtkpi 'H[ '42370'

Table 3 – FY 2015 Federal Program States Inspection / Violation Data						
	Inspections NOVs FTA COs					
State	Complete	Partial	Total	Violations	Violations	
Vgppguugg"	65: "	9; 5"	3.453"	64"	35"	
Y cuj kpi vqp"	: "	38"	46"	5"	2"	
Totals	446	809	1,255	45	13	

#### 4. Federal Lands Program

QUO TG'tgi wrwu'eqcn'o kpkpi "cevkxkkgu'qp"Hgf gtcn'rrpf uO'Hqwt yggp"Ucvgu"\*Credco c."Eqnqtcf q." Krikpqku." Kpf kcpc." Mgpwem{."O qpwcpc."P gy "O gz keq."P qt y "F cmqwc."Qj kq."Qmrej qo c."Wcj." Xkti kpkc."Y guv"Xkti kpkc."cpf "Y {qo kpi +"j cxg"eqqr gtcvkxg"ci tggo gpw"cpf "tgi wrwg"eqcn'o kpkpi "qp"Hgf gtcn'rrpf u"y kyj kp" yj gkt"dqtf gtuO'"Ewttgpw{"yj gtg"ku"pq"eqcn'o kpkpi "qp"Hgf gtcn'rrpf u"kp" Hgf gtcn' Rtqi tco "UcvguO' QUO TG" cmq"r tgr ctgu" o kpkpi "r rrp" f gekukqp" f qewo gpwu" wpf gt" yj g"O kpgtcn' Ngcukpi "Cev."cpf "r tqeguugu"xcnkf "gz kunkpi "tki j wu"ercko u"yj cv'kpxqnxg"egtvckp"Hgf gtcn' Ncpf u'wpf gt"yj ku'r tqi tco "cevkxk{0""Cu'r ctv'qh'yj g"Hgf gtcn'rrpf u'r tqi tco ."QUO TG''eqpuwmu"cpf "eqqtf kpcvgu."cu'r r nkecdng."y kyj "Ucvg"J kunqtke "Rtgugtxcvkqp"Qhhkegu."yj g"Hkuj "cpf "Y knf nkhg"Ugtxkeg" \*HY U+."Dwtgcw'qh'Ncpf "O cpci go gpv'\*DNO +:"WUO'Hqtguv'Ugtxkeg'\*\*WUHU+."P cvkqpcn'Rctm'Ugtxkeg" \*P RU+."yj g"Gpxktqpo gpvcn'Rtqvgevkqp"Ci gpe{"\*GRC+"cpf "yj g"Cto {"Eqtr u'qh'Gpi kpggtu'\*EQG+."cu" y gm'cu'Uvcvg'Tgi wrctk{"Cwj qtkkguO"Rtqeguukpi "qh'o kpkpi "r rrp"f gekukqp"f qewo gpvu"eqpuvkwwgu" yj g"rcti guv'r ctv'qh'yj g'y qtmqcf "wpf gt"yj ku'r tqi tco "cevkxk{0"

Vcdrg'6'r tqxkf gu'r tqlgevgf 'o kpkpi 'r rcp'f gekukqp'f qewo gpv'y qtmqcf 'f cvc0"""

Table 4 – Mining Plan Decision Document Workload on Leased Federal Coal, by Fiscal Year						
Mining Plans and Modifications to Existing Mining Plans						
Activity	FY 2015 Actual	FY 2016 Projected				
Kp"rtqitguu"rtkqt"H["	8"	35"				
Cpvkekr cvgf " Uwdo kuukqpu'"kp" ewttgpv'H[ "	33"	8"				
Vqvcn'H[ "y qtmqcf"	39"	3; "				
Eqo r ngvgf "kp"H[ "	6"	; "				
Dcmpeg."gpf "qh"H[ "	35"	32"				

"

Wpf gt" y ku"r tqi tco "cevkxkv{."QUO TG"cmq"r tqxkf gu"uwr rqtv" vq"DNO "cpf" WUHU"kp" rgcukpi "cevkxkvkgu" y cv"kpxqnxg"Hgf gtcn"eqcn"tguqwtegu0""QUO TGøu"r ctvkekr cvkqp"kp"P GRC"eqo r nkcpeg" cpcn{ugu"r tgr ctgf "cv"y g"rgcukpi "uvci g"gpuwtgu"vj g"eqpukf gtcvkqp"qh"QUO TG"o kpg"r ncp"cr r tqxcn" eqpegtpu0"Vj ku"eqqr gtcvkxg"ghqtv'ucxgu"o kpkpi "eqo r cpkgu"xcnwcdng"vko g"kp"vj g"rgcukpi "cpf "o kpg" r ncp"cr r tqxcnir tqeguu="kv'cmq"o c {"tguwnv'kp"ko r tqxgf "tguqwteg"tgeqxgt {0"Tp"cf f kkqp."ucvkuhcevqt {"gxcnwcvkqp"qh"vj g"gpxktqpo gpvcn"ko r cevu"qh"eqcn'o kpkpi "kp"vj g"r tqr qugf "rgcug"ctgc"cv'vj g"vko g"qh" ngcukpi "ecp"tgf weg"vj g"nkngnkj qqf "qh"vj g"pggf "hqt"c"uwdugs wgpv"Gpxktqpo gpvcn"Cuuguuo gpv"\*GC+" qt"Gpxktqpo gpvcn"Ko r cev\"Ucvgo gpv\"GKU+"hqt"o kpkpi "r ncp"cr r tqxcn'wpf gt"UO ETCO'

#### 5. Indian Lands Program

QUO TG'ku''tgur qpukdrg''hqt''tgi wrcvkqp"qh'eqcn'o kpkpi "cpf "tgerco cvkqp"cevkxkkgu''qp"Kpf kcp"rcpf u0" Vj g" Kpf kcp"rcpf u'' r tqi tco "kpenvf gu'' r gto kv'' cr r necvkqp"tgxkgy ."f gvgto kpcvkqp"qh'' r gthqto cpeg" dqpf "co qwpvu."kpur gevkqp"cpf "gphqtego gpv."dqpf "tgrgcug."cpf "o ckpvckpkpi "c"uvchh''vq"eqqtf kpcvg" y kj " vj g" kpf kxlf wcn' Vtkdgu'' cpf " qvj gt" Hgf gtcn'' ci gpekgu." cu'' pgeguuct {0" Vj g" r tqr qugf " dwf i gv'' r tqxkf gu" &406" o kmkqp" \*kpenvf kpi " qhhugwkpi " eqmgevkqpu+" vq" hwpf " vj g" cevkxkkgu" vq" r tqo qvg" tgur qpukdrg'o kpgtcn'gz vtcevkqp"qp"Kpf kcp'rcpf u'vq''o ggv'vj g'P cvkqpøu"gpgti { "pggf u0"

GKU'dgkpi "r tgr ctgf" 'd{" 'y g"Dwtgcw'qh'Tgemo cvkqp" 'y cv'y km'cpcn{| g"gz vgpukqp"qh'c"ukkg" igcug" hqt" y g"P cxclq"I gpgtcvkpi "Uvcvkqp" cpf" 'y g"r tqr qugf "tgxkukqp" qh''y g"Rgto kv'cpf "rkhg/qh/o kpg"r mp" hqt" y g"Mc{gpvc"O kpg" y cv'kpenwf gu"o qf kh{kpi "y g"gzkukpi "r gto kv'dqwpf ct{"vq"kpeqtr qtcvg" incektkkgu" mecvgf "qp" y g"cf lcegpv'cpf" pqy "emugf "Dmceni'O guc"O kpg." y j kej "ctg" ewttgpwh{"dgkpi "wugf" vq" uwr r qtv'y g"Mc{gpvc"O kpg"qr gtcvkqpu0""Vj gtg"ctg" y q"uwthceg"o kpgu"kp"O qpvcpc" y cv'o kpg" eqcn' qy pgf "d{"y g"Etqy "Vtkdg." qpg"qh'y j kej "qr gtcvgu'y ky kp" y g"dqwpf ctkgu'qh'y g"Etqy "T gugtxcvkqp0"" Cv'c"o kpg"kp"P gy "O gzkeq." 'y g"qpn{"kpxqrxgo gpv'qh'Kpf kcp"ncpf u'ku'y j gtg"c"j cwn'tqcf "etquugf" 'y g" Wg"O qwpvckp"Wg"T gugtxcvkqp0""Vj g"j cwn'tqcf "ku'pqy "tgencko gf"cpf" ku'ewttgpwh{"wpf gt'y g'r gtkqf" qh'' gz vgpf gf "tgur qpukdkrkx{"hqt"uweeguuhwn'tg/xgi gvcvkqp0""Cp" wpf gti tqwpf "o kpkpi "qr gtcvkqp"kp" Eqnqtcf q" cnnq" gz vtcew! Hgf gtcn' eqcn' dgpgcyj "Wg"O qwpvckp" Wg/qy pgf" uwthceg0' Vj g" Etqy ." P qtyj gtp"Ej g{gppg"cpf" J qr k"Vtkdgu."cpf" y g"P cxclq"P cvkqp"ctg"gxcnwcvkpi "eqcn'r tqr gtvkgu"hqt" hwwtg"f gxgnr o gpv0"Vj g"o kpgu"qp"Kpf kcp"ncpf u'ctg"co qpi "y g"ncti guv'kp"y g"Wpkgf"Ucvgu."y ky "c"qvcn'qh'cdqw'322.722"cetgu'tgi wncvgf" 'd{"QUO T G0"

QUO TG"eqqtf kpcvgu"enqugn{"y kj "Kpf kcp"Vtkdgu" j tqwi j "vj g"tgi wrcvqt {"r tqeguu0'"Vj g"Hgf gtcn" vtwn'tgur qpukdkrkv{"ku"c"rgi cn'qdrki cvkqp"wpf gt"y j kej "vj g"Wpkgf "Uccvgu"j cu"ej cti gf "kugrh"y kj "o qtcn'qdrki cvkqpu"qh''y g"j ki j guv'tgur qpukdkrkv{"cpf "vtwn'vqy ctf "Kpf kcp"Vtkdgu0"'QUO TG"gpuwtgu" vj cv" vj g" rcpf u" cpf " vtwn' tguqwtegu" qh" Hgf gtcm{/tgeqi pk| gf " Vtkdgu" cpf " vj gkt" o go dgtu" ctg" kf gpvkhkgf ."eqpugtxgf ."cpf "r tqvgevgf 0"Kp"hwrhkrrhpi "vj gug"tgur qpukdkrkvkgu."QUO TG"qr gtcvgu"y kvj kp" c"i qxgtpo gpv'vq/i qxgtpo gpv'tgrevkqpuj kr 'y kvj "Kpf kcp"Vtkdgu0'

Vcdrg'7'r tqxkf gu'kpur gevkqp'cpf 'gphqtego gpv'f cvc''qp''Kpf kcp''Ncpf u'f wtkpi 'H '42370'

Table 5 – FY 2015 Indian Lands Inspection Data					
		Inspections			
Tribe	Complete	Partial	Total	Violations	
Etqy "Vtkdg"	:"	38"	46"	2"	
J qr k"Vtkdg"	4"	2"	4"	2"	
P cxclq'P cvkqp"	68"	44"	8: "	7"	
Wg''Vtkdg''	6"	: "	34"	2"	
Totals	60	46	106	5	

Vcdrg'8"6"Rgto ki'cpf "Rgto ki'Tgxkukqp"Y qtmqcf" y j gtg"QUOTG"ku"yj g"Tgi wrcvqt{"Cwj qtkv{."d{"Hkuecn"[ gct" Hgf gtcn'Rtqi tco u, " Kpf kcp"Ncpf u" H '4237" H '4237" H '4238" H '4238" Rtqlgevgf" Cevkxkv{" Rtqlgevgf" Cewcn' Cewcn' 8; " 72" 44" 47" Kp'rtqitguu'rtkqt'H['" Cpylekr cygf "Uwdo kuukqpu." 74" : 4" 77" 76" ewttgpv'H[" 7; " 359" 327" 9; " Vqvcn'H 'y qtmqcf' : 9" 76" 56" 89" Eqo r mgygf "kp"H[" 47" 72" 73" 34" Dcrcpeg."gpf "qh"H["

#### **'6. Program Development and Maintenance**

Y qtm'grgo gpvu"vpf gt" y ku"r tqi tco "ctg"r tko ctkn{"tgrcvgf "vq"r qrke{"cevkqpu."uwej "cu"twrgo crkpi ." i tcpvu" o cpci go gpv" cpf " ur gekcri' uwwf kgu" y cv' uwr r qtv'' y g" qyj gt" r tqi tco " cevkxkskgu" kp" y g" gpxktqpo gpvcri'r tqvgevkqp"dwukpguu'rkpg0""

#### a. Rulemaking

QUO TG" knuwgu" Hgf gtcn" twrgu" cpf " r tgr ctgu" y g" cunqekcygf " kphqto cykqp" eqmgeykqp" ergctcpeg" r centri gu0'Hwpeykqpu" wpf gt "y ku"r tqi tco "ceykxky{ "kpenyf g" twrg" f gxgrqr o gpv" cpf "r tgr ctcykqp" qh" gpxktqpo gpvcn'cunguno gpvu. "gpxktqpo gpvcn'ko r cev'uvcygo gpvu. "cpf "equv'dgpghky'cpcn{ugu"hqt "twrgu" r tgr ctgf "d{"QUO TG0""Dghqtg" f gxgrqr kpi "c"r tqr qugf "twrg. "QUO TG"kpxqrxgu"kpygtguygf "r ctykgu0' Uvcngj qrf gt"r ctykekr cykqp" tguwnu"kp"ko r tqxgf "tgi wrcyqt{"r tqr qucnu0'QUO TG"cnuq"o ckpvckpu"y g" cf o kpkuvtcykxg"tgeqtf "hqt"twrgu"cpf "eqqtf kpcygu"twrg"r wdrkecykqp"y kyj "y g"Qhhkeg"qh"yj g"Hgf gtcn' Tgi knygt0"Dgrqy "ctg"QUO TG"twrgo cnkpi u'wpf gty c{0'

Eqcn'Eqo dwwkqp"Tgukf wgu<" [kp"4225."Eqpi tguu"f ktgevgf "GRC" vq"eqo o kuukqp"cp"kpf gr gpf gpv' uwwf {"qh" yi g" j gcnyi ." uchgv{." cpf "gpxktqpo gpvcn' tkumu" cuuqekcvgf "y kxj "yi g" r mego gpv' qh" eqcn' eqo dwwkqp"tgukf wgu" \*EETu+"kp" cevkxg"cpf "cdcpf qpgf "eqcn' o kpgu0" "Cu"c"tguwx." yi g"P cvkqpcn' Tgugctej "Eqwpekt" \*P TE+"qh" yi g"P cvkqpcn' Cecf go kgu"qh" Uekgpeg"hqto gf "c"eqo o kwgg." y j kej "r wdrkuj gf "ku" hkpf kpi u" kp" c" tgr qtv" qp" O ctej "3." 42280' "Vj g" eqo o kwgg" tgeqo o gpf gf "yi g" guvcdrkuj o gpv" qh" gphqtegcdrg" Hgf gtcn' uvcpf ctf u" hqt" yi g"r mego gpv" qh" EETu" kp" o kpgu." y kxj "tgi wrcvkqp" wpf gt" UO ETC" dgkpi "qpg" qh" yi g" twrgo cmkpi "qr vkqpu0' "Kp" O ctej "4229." QUO TG" r wdrkuj gf "cp" cf xcpeg" pqvkeg" qh"r tqr qugf "twrgo cmkpi "\*CP RTO +" vq" uqrkekv' eqo o gpvu" qp" yi g" f gxgrqr o gpv" qh" c"r tqr qugf "twrgo' "QUO TG" tgegkxgf "cr r tqzko cvgn{"3.; 22" eqo o gpvu0' "Chrgt" gxcnxcvkpi "eqo o gpvu" tgegkxgf "qp" yi g"CP RTO ="f kwewukqpu" yki "GRC" cpf "cf f kkqpcn'qwtgcej "vq"

<sup>, &</sup>quot;Vj gug"pwo dgtu"f q"pqv"kpenwf g"tgxkgy u"qh"o qtg"vj cp"qpg"xgtukqp"qh"c"uki pkhecpv"tgxkukqp" qt"gpxktqpo gpvcn'cuuguuo gpv0"

uvcngj qrf gtu="cpf" yj g"tgxkgy "qh" yj g"dguv"r tcevkegu"qh" yj g"Uvcvgu. "QUO TG" j cu"f gekf gf "vq"r tqr qug"c" twrg" guvcdrkuj kpi "r gto kv" cr r rkecvkqp" tgs wkt go gpvu" cpf "r gthqto cpeg" uvcpf ctf u" ur gekhke" vq" yj g" r rego gpv" qh" EETu" qp" cevkxg" cpf "cdcpf qpgf "eqcri'o kpg" uksgu" wpf gt "UO ETC" tgi wrcvqt { "cpf" cdcpf qpgf "o kpg" r tgerco cvkqp" r tqi tco u0" Ewttgpvn{."QUO TG" ku"f tchvkpi "c" r tqr qugf "twrg" cpf" r tgr ctkpi "cp" gpxktqpo gpvcn" cuuguuo gpv0" Vj g"r tqr qugf "twrg" ku" uej gf wrgf "vq" dg"r wdrkuj gf "kp" 42380"

Dreukpi "vq"Tgi wrcvg"Vqzke"I cugu
""Qp"Hgdtwct {"42."4237."QUOTG"r wdrkuj gf "vj g"Fktgevqtøu" f gekukqp"vq"kpkkcvg"twrgo crkpi "kp"tgur qpug"vq"c"r gvkkqp"hkrgf "d {"Y krf "Gct yj "I wctf kcpu0""Vj g" twrgo crkpi "y kri'cf f tguu'eretkhecvkqpu'vq"qwt"tgi wrcvkqpu'vq"gpuwtg"vj cv'qr gtcvqtu'cpf "uwthceg"eqcri' o kpkpi "tgi wrcvqt {"cwj qtkkgu"r tqvgev'r gqr rg"cpf "r tqr gtv{"htqo "vqzke"i cugu"cpf "hwo gu"i gpgtcvgf "d {"drcuvkpi "cv'uwthceg"o kpg"ukvgu0""C"r tqr qugf "twrg"ku"dgkpi "f tchvgf "cpf "ku"uej gf wrgf "vq"dg" r wdrkuj gf "kp"H[ "42380'

Vgo r qtct {"Eguuc kqp"qh"Qr gtc kqpu<"QUO TG"kpvgpf u"vq"tgxkug"ku"tgi wa kqpu"i qxgtpkpi "vj g" vgo r qtct {"eguuc kqp"qh"uwthceg"eqcn"o kpkpi "cpf "tgeroo c kqp"qr gtc kqpu"cpf "wpf gti tqwpf "o kpkpi "cevkxkkgu"wpf gt"cp"cr r tqxgf "r gto kv0""Vj g"r tqr qugf "twrg"y qwf "tgs wktg"y cv"dghqtg"vgo r qtctkn{" egcukpi "qr gtc kqpu"hqt"c"r gtkqf "qh"o qtg"yi cp"3: 2"f c {u."c"r gto kwgg"ku"vq"uwdo kv"cp"cr r nkec kqp"vq" yi g"tgi wa vqt {"cwj qtkv{"hqt"cr r tqxcn0"Vj g"twrg"ku"pggf gf "vq"gpuwtg"yi cv"c"vgo r qtct {"eguuc kqp"qh" qr gtc kqpu"ku"pqv"wugf "vq"f græ {"tgeroo c kqp."vj cv"uchgv{"cpf "gpxktqpo gpvcn"eqpvtqnu"ctg"kp"r ræg." cpf "vj cv'yi gtg"ku"cp"gpf "r qkpv"vq"yi g"eguuc kqp"qh"qr gtc kqpu0""Vj g"r tqr qugf "twrg"ku"uej gf wgf "vq"dg" r wdrkuj gf "kp"42380'

<u>Utgco "Rtqvgevkqp</u><" "Qp" Lwn{"39."4237." QUO TG" o cf g" cxckrcdrg" r tqr qugf "twrg" ej cpi gu" vq" o qf gtpk| g"ku'tgi wrcvkqpu'vq" o qtg"eqo r rgvgn{ "ko r rgo gpv'UO ETC" vq"dgwgt" r tqvgev'uvtgco u0"Vj g" r tqr qugf "twrg" cpf "ceeqo r cp{kpi "f tchv'gpxktqpo gpvcn'ko r cev'uvcvgo gpv'y gtg"r wdrkuj gf "kp"H[" 4237="y g'hpcn'twrg'ku'uej gf wrgf 'hqt'r wdrkecvkqp'kp'42380""

Go gti gpe {"Cevlqp"Rrcpu"\*F co "Uchgv{+<""QUO TG"kpvgpf u"vq"r tqr qug"c"twrg"vq"cf f tguu"Hgf gtcri' Go gti gpe {"O cpci go gpv'Ci gpe {"f co "uchgv{"i wkf grkpgu0""Vj g"o quv'uki pkhkecpv'grgo gpv'qh"vj g" r tqr qugf "twrg"y knf'dg"c"tgs wkt go gpv'hqt"r tgr ctcvkqp"cpf "o ckpvgpcpeg"qh"cp"go gti gpe {"cevkqp" r rcp"\*GCR+'hqt"cm'ko r qwpf o gpw"vj cv'ctg"ercuukhkgf "cu"j ki j "cpf "uki pkhkecpv"j c| ctf "f co u0"C"j ki j " j c| ctf "f co "ku"qpg"vj cv'eqwrf "tguwnv"kp"vj g"rquu"qh"qpg"qt"o qtg"rkxgu"kp"vj g"gxgpv'qh'hckrwtg0'C" uki pkhkecpv"j c| ctf "f co "j cu" pq" r qvgpvkcn' hqt" rquu"qh" rkkg" dw" j cu" c" r qvgpvkcn' hqt" uki pkhkecpv' geqpqo ke"rquu"kp"vj g"gxgpv'qh'hckrwtg0"Cp"GCR"ku"c"f qewo gpv'vj cv'kf gpvkhkgu"r qvgpvkcn'go gti gpe {"eqpf kkqpu"cv' c" f co "cpf "ur gekhkgu"cevkqpu"hqt" vj g"f co "qr gtcvkpi "r gtuqppgn' vq "hqmy "f wtkpi " go gti gpekgu"qt"wpwuxcn'qeewttgpegu0"Vj g"r tqr qugf "twrg"ku'uej gf wrgf "hqt"r wdrkecvkqp"kp"42380'

Twgo cnkpi " Cuuqekcvgf " y kij " Ucvg" Rtqi tco u<br/>
" QUO TG" cuukuvu" Ucvgu" y kij " f gxgmr o gpv." cf o kpkuvtcvkqp." ko r ngo gpvcvkqp." cpf " o ckpvgpcpeg" qh" yi gkt" crrtqxgf" tgi wncvqt {" rtqi tco u0" F gekukqpu"vq"crrtqxg"qt"f kucrrtqxg"Ucvg"rtqi tco "co gpf o gpvu"ctg"Hgf gtcn"twgo cnkpi "cevkqpu0" QUO TG" gxcnwcvgu" Ucvg/kpkkcvgf "rtqi tco "ej cpi gu" \*uvcwvqt {." tgi wncvqt {." qt" ej cpi gu" kp" yi g" rtqi tco øu"rtqxkukqpu."ueqr g."qt"qdlgevkxgu+:"cu"y gm"cu"QUO TG"tgs wktgf "o qf khkecvkqpu"yi cv"ctg"c" tguwn/qh"ngi cn"kpvgtrtgvcvkqpu"qt"ej cpi gu"vq"UO ETC"cpf "Hgf gtcn'Tgi wncvkqpu0""Kp"ku"gxcnwcvkqp." QUO TG"uqnkeku"r wdnke"eqo o gpvu" yi tqwi j "rtqr qugf "twngu"r wdnkuj gf "kp" yi g"Hgf gtcn'Tgi knvgt." j qnf u"r wdnke" o ggvkpi u." o ckpvckpu" yi g" cf o kpkuntcvkxg" tgeqtf ." crrtqxgu" qt" f qgu" pqv" crrtqxg" rtqr qugf "Ucvg"rtqi tco "co gpf o gpvu."cpf "r wdnkuj gu"yi g"f gekukqpu"cu"hkpcn'twngu"kp"yi g"Hgf gtcn' Tgi knvgt0""

F wtkpi "H[ "4237."QUO TG"eqo r ngvgf "cevkxkv{"qp"32"Uvcvg"r tqi tco "co gpf o gpvu"cu"uwo o ctkl gf " kp"Vcdng'90'

Table 7 – FY 2015 State Program Amendment Activity Number of Amendments									
Pending Received Completed Pending									
Amendment Type	Oct. 1, 2014	Oct. 1, 2014   FY 2015   FY 2015   Sept. 30, 2015							
Rtg/Uwdo kuukqp"									
Cuukucpeg, "	6"	32"	9"	9"					
Hqto cn, , "	54"	6"	5"	54"					
Total	36	14	10	39					

<sup>,</sup> Vj g'r gpf kpi 'r tg/uwdo kuukqp''cuukuvcpeg''pwo dgtu''kpenwf g''qpg''hqt''yj g'P cxclq'P cwkqp''cpf ''qpg'' hqt''yj g'Etqy ''Vtklg0''''

Ucvgu"o c{"dg"tgs wktgf "vq"co gpf "vj gkt"r tqi tco u"cu"c"tguwn/'qh"ej cpi gu"vq"UO ETC"cpf "Hgf gtcn' tgi wrcvkqpu0""Y j gp"c"Ucvg"r tqi tco "co gpf o gpv'ku"tgs wktgf ."QUO TG"pqvkhkgu"vj g"Ucvg"qh"vj g" tgs wktgf "ej cpi g"cpf "tgxkgy u" vj g" Uvcvg" uwdo kuukqp"cpf "gkvj gt"crrtqxgu"qt"f kucrrtqxgu"vj g"rtqrqugf "ej cpi g0"

#### b. Grants Management

QUO TG"uwr q tu"cpf "r ct welr cyu"lp"yi g"Cf o lopkut cylqpøu"G/I qxgtpo gpv'lpkkc wxg."cpf "J gcnj" cpf "J wo cp"Ugtxleguø'i qxgtpo gpv'y kf g"grgevtqpke"i tcpvu"cr r rlecvkqp"u{uvgo "\*I tcpvu0 qx+"cpf" yi g"F gr ctvo gpv'qh"yi g"Kpvgtkqtøu"\*F QKt"i tcpvu"uko r rkhlecvkqp"ghqtvu"dcugf "qp"Rwdrke"Ncy "328/3290""QUO TG"ku"ewttgpvn{"wukpi "F QKxu"Hkpcpekcn"cpf "Dwukpguu"O cpci go gpv"U{uvgo "\*HDO U+" hkpcpekcn" cuukuvcpeg" o qf wrg" hqt" kpvgtpcn" r tqeguulpi "qh" cm" i tcpv" cpf "eqqr gtcvkxg" ci tggo gpv" vtcpucevkqpu0""T gekr kgpvu"j cxg"dggp"r tqxkf gf "vtckpkpi "kp"I tcpvu0 qx"cpf "HDO U."cpf "y km'tgegkxg" hwtyi gt"vtckpkpi "cpf "cuukuvcpeg"kp" wukpi "yi g"u{uvgo "vq"gzr gf kg"yi gkt"cr r rlecvkqpu"cpf "tgr qtvu0" QUO TG"cpf "yi g"UvcvgIVtkdcn"i tcpvggu"eqqr gtcvg"vq"o czko ki g"yi g"wug"qh"cxckrcdrg"hwpf kpi "cpf "qr gtcvg"cp"ghhgevkxg"r tqi tco 0"Vj ku'eqqr gtcvkxg"y qtnkpi "tgrcvkqpuj kr "eqpvtkdwgu'vq"c"uvtgco rkpgf "cr r rlecvkqp" cpf " cy ctf u" r tqeguu." hcuvgt" qdrki cvkqp" qh" Hgf gtcn' hwpf u." kppqxcvkxg" r tqi tco "o qpkvqtkpi ."rguu'r cr gty qtm"cpf "kpvgpukxg"tgr qtvkpi "cpf "enqug/qw'qh'i tcpvu0"

<sup>, ,</sup> Vj g'r gpf kpi 'hqto cn'pwo dgtu'ctg'tgf wegf 'd $\{$ ''qpg'f wg''vq''y kyj f tcy cn'qh'cp''co gpf o gpv'' f wtkpi 'H[''42370'

#### c. Special Projects

QUO TG" ur gekcn" r tqlgewu" kpenwf g" kpvgtr tgvcvkqp" qh" UO ETC." tgr qtwu" vq" Eqpi tguu." ngi kurcvkxg" cpcn(ugu."cpf "cuukuvcpeg"kp" tgur qpug" vq" rkski cvkqp0"QUO TG"cnuq"eqpf wewu"uwwf kgu"cpf "cpcn(ugu"kp" tgur qpug" vq" F gr ctvo gpvcn" kpkskcvkxgu" cpf " eqqtf kpcvgu" y ksj " qvj gt" F QK dwtgcwu" cpf " Hgf gtcn" ci gpekgu. "kpenwf kpi "vj g"Hkuj "cpf "Y knf nkbg"Ugtxkeg"\*Gpf cpi gtgf "Ur gekgu"Cev+:"Cf xkuqt {"Eqwpekn" qp"J knvqtke"Rtgugtxcvkqp"Cev+:"GRC"\*Engcp"Y cvgt"Cev."Tguqwteg" Eqpugtxcvkqp"cpf "Tgeqxgt {"Cev."cpf "qvj gtu+:"Cto {"Eqtr u" qh" Gpi kpggtu" \*Ugevkqp" 626"Engcp" Y cvgt" Cev" r gto ku+:" O kpg" Uchgv{" cpf " J gcnvj " Cf o kpknvtcvkqp." cpf " vj g" Uo cmi Dwukpguu" Cf o kpknvtcvkqp."\*Uo cmi'Dwukpguu" Tgi wrcvqt {"Gphqtego gpv"Hcktpguu"Cev+"cmi'qh"y j qug"cevkxkskgu" ecp"chlgev'vj g'uwthceg'eqcn'o kpkpi "tgi wrcvqt {"rtqi tco 0"

#### ENVIRONMENTAL PROTECTION

#### 2016 PLANNED PROGRAM PERFORMANCE

"Kp"4238."\j g"r rcppgf "ce\kxkklgu"kp"\j g"Gpxktqpo gp\cn"Rtq\ge\kqp"r tqi tco "ce\kxk\{ "kpen\sf g<"

- Tgxkgy "qh"yj g"hqto cn"vtkdcn"r tko ce { "uwdo kuukqp"htqo "yj g"P cxclq"P cxkqp0
- Eqpvkpvvg''y g'tgxkgy "qh'kphqto cn'uvdo kuukqpu'htqo ''y g'Etqy ''cpf ''J qr k''Vtkdgu0
- Tgpf gt"hlpcn"f gekulqpu"qp"hkxg"cmgi cvlqpu"cuuqekcvgf "y ky "r gvkxlqp"hkrgf "kp"ceeqtf cpeg y ky "52"EHT"Rctv'955"d{"3: "ekulţ gp"i tqwr u"tgi ctf kpi "Y guv'Xkti kpkcøu"cf o kpkuvtcvkqp"qh ku'crr tqxgf 'r gto cpgpv'tgi wrcvqt{"r tqi tco 0
- Eqpvkpwg" r tqeguukpi " Uvcvg" Rtqi tco " Co gpf o gpvu." kpenwf kpi " vj g" uwdo kuukqp" htqo Mgpwem( "vq"cf f tguu'dqpf "cf gs wce { "eqpegtpu0
- Hopcak g''y g''t wag''cpf ''r tqeguugu''\q''ko r ngo gpv'\wr f cvgf ''equv'tgeqxgt { ''tgi wac\kqpu0
- Cej kgxg" yi g"i qcnu" hqt" r gthqto cpeg" o gcuwtgu 'kf gpwlikgf "kp" yi g"I qcn' Rgthqto cpeg" Vcdng 'hqt yi ku" dwukpguu "nkpg" cpf "gpi ci g" {qwi "d{" r tqxkf kpi "gf wecwlqpcn" cpf "go r nq{o gpv qr r qtwykklgu 'vq" {qwpi "cf wmu 'kp" hkgrf u 'cuuqekcygf "y kij "uwthceg 'eqcn'o kpkpi "tgi wrcwlqp" cpf tgenco cwlqp0

#### 2015 PROGRAM ACCOMPLISHMENTS

Kp"4237. 'vj g"o clqt"ceeqo r nkuj o gpvu"kp"vj g"Gpxktqpo gpvcn"Rtqvgevkqp"r tqi tco "cevkxkv{ "kpenvf gf <"

- Korngo gpvgf "vjg"Hgfgtcn"cpf "Kpfkcp"ncpfu"rtqitco u="eqpfwevgf"728"eqorngvg"cpf": 77 rctvkcn"kpurgevkqpu0
- Ucvgu"r gthqto gf "49.425" eqo r rgvg" o kpg "kpur gevkqpu" cpf "67.364" r ct vkcn" kpur gevkqpu" vq gpuwtg 'eqcn'o kpgu'ctg 'qr gtcvgf 'uchgn( 'cpf 'kp'ceeqtf cpeg'y kij 'gpxktqpo gpvcn'rcy u0
- Hlpcnk gf "ij g"Gpxktqpo gpvcn"Ko r cev"Ucvgo gpv'hqt "ij g"Hqwt"Eqtpgtu"Rqy gt "Rrcpv'cpf P cxclq"O kpg"Gpgti {"Rtqlgev'cpf "kuuwgf "c"pgy "r gto kv'vq"ij g"P cxclq"Vtcpukklqpcn'Gpgti { Eqo r cp { ."c"y j qm( "qy pgf "eqo r cp { "qh"ij g"P cxclq"P cvkqp. "hqt"Rkpcdgvg"O kpg0"Vj g Rkpcdgvg"O kpg"ku"cf lcegpv'vq"ij g"P cxclq"O kpg"cpf "ku"mecvgf "qp"ij g"P cxclq"T gugtxcvkqp0 Vj g"vy q"o kpgu"r tqxkf g"eqcn"vq"ij g"Hqwt"Eqtpgtu"Rqy gt"Rrcpv0
- Rwdrkuj gf "vj g"Rtqr qugf "Utgco "Rtqvgevkqp"Twrg."F tchv"Gpxktqpo gpvcn"Kor cev"Uvcvgo gpv cpf "Tgi wrcvqt { "Kor cev"Cpcn{uku0}
- Tghqtguvcvkqp"ó"Kpf wuxt {"r rcpvgf "329.722"vtggu"qp"365"cetgu"qh"tgercko gf "o kpgf "rcpf "kp Vgppguugg" f wtkpi " H[ "42370" Vj ku" {gct" o ctmu" yj g" yj ktf " eqpugewxkxg" {gct" QUO TG

#### Qllkeg"qli'Unt h:eg"O kpkpi "Tgenco cvkqp"cpf "Gplqt ego gpv"

cej kgxgf "hwn' wktk cvkqp"qh" vj g"Hqtguxt { "Tgenco cvkqp" Crrtqcej ." y ksj "322" r gtegpv'qh" cm' vtggu'r ncpvgf "qp" Hqtguxt { "Tgenco cvkqp" Crrtqcej "rtgrctgf "ctgcu0" "Vj ku "uweeguu "ku "kp" rctv' f wg" vq" qwxtgcej "ghqtvu" y ksj "kpf wuxt { ." eksk gpu." cpf "cecf go keu "kpvgtguvgf "kp" vj g" tghqtguvcvkqp"qh" kpgf "ncpf0""

• Cej kgxgf "r gthqto cpeg"cu"uj qy p"qp"yj g"I qcn'Rgthqto cpeg"Vcdrg"cuuqekcygf "y kyj "yj ku dwukpguu'hkpg0

# TAB 6 Technology Development and Transfer

#### TECHNOLOGY DEVELOPMENT AND TRANSFER

""Vgej pqmi {"F gxgmr o gpv'cpf "Vtcpuhgt"Uwo o ct { "qh'Dwf i gv'T gs wguv'

			2017			
*f qmctu'kp''vj qwucpf u+''	2015 Actual	2016 Enacted	Fixed Costs & Related Changes (+/-)	Program Changes (+/-)	President's Budget	Change From 2016 (+/-)
Regulation and Technology	14,455	15,205	+81	+6,199	21,485	+6,280
Vgej plecn'Cuukucpeg"	32.; 65"	33.8; 5"	- 73"	- 3.722"	35.466"	- 3.773"
Kpetgcug'Vgej pkecn' Cuukucpeg''				]- 4.472_"	]- 4.472_"	
F gxgrqr o gpv"Equvu'hqt" Grgevtqple"Rgto kwlpi "'		]- 972_'		]/972_"	]/972 <u>_"</u>	
HVG"	74'	<i>79'</i>		- 9'	86'	- 9'
Vtclplpi "	4.753"	4.753"	- 43"		4.774"	- 43"
HVG"	42'	46'			46'	
Vgej pqrqi {"Vtcpuhgt"	;:3"	;:3"	-;"	- 6.8; ; "	7.8: ; "	- 6.92: "
'''Crrnkgf 'Uekgpeg'Rtqlgevu''				]- 3.3; ; _'	]- 3.3; ; _'	
""Gzr cpf 'I gqO kpg""Rtqlgev'				]- 4.722_'	]- 4.722_'	
Gzr cpf "Tghqtguvcvkqp" Kokskcvkxg"				]- 3.222_"	]- 3.222_"	
HVG"	: '	32'		- 7'	37'	- 7'
Abandoned Mine Reclamation Fund Vgej plecn'Cunkucpeg"	<b>3,544</b> 3.7: 7"	<b>3,544</b> 3.7: 7"	+ <b>21</b> - 33"	+ <b>2,802</b> - 3.69: "	<b>6,367</b> 5.296'	+2,823 - 3.6: ; "
Kpetgcug''Vgej pkecn'' Cuukuvcpeg''				]- 3.69: _"	]- 3.69: _''	
HVG"	; ′	32'		- 7'	37'	- 7'
Vtclplpi "	9; 6"	9; 6"	- 8"		: 22"	- 8"
HVG"	8'	8'			8'	
Vgej pqmi {"Vtcpuhgt"	3.387"	3.387"	- 6"	- 3.546"	4.6; 5"	- 3.54: "
'''Crrnkgf 'Uekgpeg'Rtqlgevu''				]- 747_'	]- 747_'	
""Gpj cpeg'O kpg'O cr " """Tgr qukxqt { "				]- 9; ; _"	]- 9; ; _''	
HVG"	3'	6'		- 3'	7'	- 3'
Total, Technology Development and Transfer	17,999	18,749	+102	+9,001	27,852	+9,103
Total FTE	96	111		+18	129	+18

<sup>&</sup>quot;Pqvg<"4237 'HVG'co qwpvu'tghrgev'cewcn'wuci g0'

Hlzgf "Equvu'tguvun'tp"cp'kpetgcug'qh'l&324.2220"Hlzgf "Equvu'eqxgt"rc{"tgrcvgf "kvgo u'kpenwf kpi "c" rc{"tckug"cpf "j gcnyj "rrcpu0"

#### **Summary of 2017 Program Changes**

Request Component	(\$000)	FTE
<ul><li>Kpet gcug''Vgej pkecn'Cuukuvcpeg</li><li>Gzr cpf 'I gqO kpg'Rtqlgev</li></ul>	- 5.94: " '"""- 4.722"	_
<ul> <li>Kpet gcug'Crrnkgf'Uekgpeg'Rtqlgevu</li> <li>Kpet gcug'Okpg'Ocr'Tgrqukxqt {</li> <li>Gzrcpf'Tghqtguxckqp'Kpkkckxg</li> </ul>	- 3.946" - 9; ; " - 3.222"	- 3" - 5"
<ul> <li>Grko kpcvg"F gxgrqr o gpv"Equvu"hqt "Grgevtqpke Rgto kvkpi</li> </ul>	/972"	
<b>Total Program Changes</b>	+9,001	+18

#### <u>Justification of 2017 Program Changes</u>

Vj g"4239"dwf i gv"hqt"Vgej pqmi {"F gxgmr o gpv"cpf "Vtcpuhgt"ku"&49.: 74.222"cpf "34; "HVG."c" r tqi tco "kpetgcug"qh"&, .223.222"cpf "3: 'HVG'htqo "vj g'4238'Gpcevgf 'hgxgn0'

Increase Technical Assistance (+3,728,000/+12 FTE): Qxgt"/i g"r cuv'hgy "{gctu."/i g"f go cpf " htqo "Ucvgu."Vtkdgu."r wdrke kpvgtguv'i tqwr u."cpf 'kpvgtpcrlewurqo gtu'hqt"QUO TG"/q"r tqxkf g" vgej plecrluwr r qtv'qp"eqcrlo kpkpi 'kuuwgu'j cu'dggp"uki plkhecpv'cpf "ewttgpv'uvchhlpi "cpf 'hwpf kpi 'ku" pqv'uwhhlekgpv'vq"o ggv'ij g"f go cpf 0"Cevkxkkgu'kpenwf g"f gxgrqr o gpv'qh'r qrke { li wkf cpeg"f qewo gpwu" hqt"vgej plecrlkuuwgu. "uwej "cu'drcuvkpi."cu'y grrlcu'qpukxg"tgxkgy "cpf"i wkf cpeg"qp"/i g"cr r rlecvkqp"qh" tgi wrcvkqpu'vq"ur gekhle"r gto kwu"cpf "ukwcvkqpu0'

 $Ocp\{"Ucvgu"j\ cxg"'ko\ kgf\ "uvchh"cpf\ "vj\ g\{"tgn\{"qp"QUOTG"hqt"vj\ ku"gzr\ gtvkug"cpf\ "uwr\ r\ qtv0'"lp"\ cf\ f\ kklqp."kl'ku"etkkecn'vj\ cv'QUOTG"nggr\ "wr\ "y\ kj\ "cf\ xcpegu"lp"vj\ g"uekgpegu"cpf\ "vj\ g"cr\ r\ necvkqp"vq"\ ewttgpv'tgi\ wrcvkqpu."cpf\ "tgeqo\ o\ gpf\ "tgxkukqpu''vq"tgi\ wrcvkqpu''kh'pggf\ gf\ 0"'Vj\ ku''y\ km'r\ tqxkf\ g"hqt"37"\ pgy\ 'r\ qukklqpu0$ 

Expand GeoMine Project (+\$2,500,000/+2 FTE): I gqO kpg." c" eqcn" o kpkpi " i gqi tcr j ke" kphqto cvkqp" u{uvgo ." r tqxkf gu" kpvgtcevkxg" i gqur cvkcn" f cvc" uj ctkpi " co qpi " Uvcvg" cpf " Hgf gtcn" ci gpekgu"tgi ctf kpi "eqcn"o kpkpi "cevkxkkgu"cpf "f gekukqpu0"QUO TG"eqo r ngvgf "ku"wy q/{gct"r kqv" r tqlgev'y j gtg"kv"r ctvpgtgf "y kj "UO ETC"tgi wrcvqt {"r tqi tco u"kp"Mgpwem(."Vgppguugg."Xkti kpkc." Y guv' Xkti kpkc." cpf " Hgf gtcn" ci gpekgu" kpxqnxgf " kp" UO ETC." Engcp" Y cvgt" Cev' \*EY C+" cpf " Gpf cpi gtgf "Ur gekgu"Cev' \*GUC+"tgi wrcvkqp"cpf "eqpuwncvkqp" \*GRC."Hkuj "cpf "Y knf nkhg"Ugtxkeg." Cto {"Eqtr u"qh"Gpi kpggtu+"vq"f gxgnqr "yj g"I gqO kpg"kpvgtcevkxg"f ki kscn"o cr "qh"eqcn'o kpkpi "cpf" tgenco cvkqp"cevkxkkgu0""Vj g"w q/{gct"I gqO kpg"Rknqv'Rtqlgev'j cu'f go qpuvtcvgf "yj g"hgcukdkrkv{"cpf" xcnwg"qh"uj ctkpi "yj ku"o cr r kpi "f cvc"dgw ggp"yj g"r ctvpgt"ci gpekgu"yj tqwi j "yj g"Kpvgtpgv0'""Vj g"

r j cugf "f gr m {0 gpv'qh'vj g'T gqO kpg'vq"eqmgev'cpf "r tqxkf g"ceeguu"vq"UO ETC "f cvc"pcvkqpy kf g"ku" wpf gty c {0' "Vj ku" u{uvgo "y km' lcekrkcvg" ghhkekgpv' cpf "ghhgevkxg" gpxktqpo gpvcn' tgxkgy u. "r gto kv' r ncppkpi . "kpur gevkqpu. "gve0"co qpi "xctkqvu' F QKDvtgcvu. "Uvcvgu. "cpf "qvj gt"Hgf gtcn'ci gpekgu0""Vj g" cf f kkqpcn'hwpf kpi "y km'ceegngtcvg' f ki kkl kpi "vj g"Uvcvg' f cvc"cpf "r tqxkf g"hqt"o qtg'nc {gtu'qh' f cvc0'

Applied Science Projects (+\$1,724,000):""Vj g"tgs wgurgf "kpetgcug"y km'dg"wugf "vq"cf f tguu"etkkecn" ej cngpi gu"kp"gpgti {"rtqf wevkqp"d{"kpxgurkpi "kp"crrrkgf "uekgpeg"rtqlgevu."qt"uwwf kgu.""'yi cv'y qwrf "cf xcpeg" vgej pqmi kgu" cpf "rtcevkegu" ur gektke" vq" eqcn" o kpgf "ukvgu" hqt" o qtg" eqortgj gpukxg" gequ{uvgo "tguvqtcvkqp." kpenwf kpi "tghqtguvcvkqp" cpf "tgerco cvkqp" hqt" yi g"rtqvgevkqp" cpf "gpj cpego gpvltgeqxgt {"qh"yi tgcvgpgf "cpf "gpf cpi gtgf "dcv"ur gekgu."cpf "o crrkpi "cpf "j {f tqmi ke" cuuguuo gpv'qh'hqqf gf lhqqf kpi "cdcpf qpgf "wpf gti tqwpf "o kpgu0"

Qpg"r rcppgf "uwf {"y qwf" "r tqxkf g"hqt"o cr r kpi "cpf" j {f tqmi ke "cuuguuo gpv'qh'hmqf gf lhmqf kpi "cdcpf qpgf "wpf gti tqwpf "o kpgu'kp" yi g"Cr r crcej kcp"eqcn'hkgrf u0" F gi tcf gf "uvtgco "geqmi {"ku"qhvgp" yi g"qweqo g'y j gp" wpf gti tqwpf "o kpg" xqkf u"hkm'cpf "f kuej cti g"r qmwgf "y cvgt" kpvq "uvtgco u0" Wpcpvkekr cvgf "dtgcmj tqwi j" j cu"dggp"f qewo gpvgf "vq"ecwug"f co ci g"vq"r tqr gtv{"cpf" yi tgcvgp" j gcnj "cpf "uchgv{"qh'tgulf gpwi'hkzkpi "pgct"o kpgu0" C"uwf {"ku"pggf gf" vq"f gxgmr "c"uj ctgf." i gqur cvkcm{/tghgtgpegf "tgr qukqt{"qh'o kpg"r qqn'hqbc cvkqp0" "Vj g"i gqur cvkcn'o kpg"r qqn'f cw" uj qwf "kpenvf g"uwej "kphqto cvkqp" cu"o kpg"r qqn'hqecvkqpu. "xctkcvkqpu" "kp"r qqn'grgxcvkqpu. "cevkxkv{" uvcwu"qh'o kpgu. "r gto kv'kphqto cvkqp." y cvgt "s wcrkv{" o qpkqtkpi "mqecvkqpu." y cvgt "s wcrkv{" qh'y g" f kuej cti g\*u+"cpf "dqpf "kphqto cvkqp0" "Vj ku"kphqto cvkqp" qwf" "cnq"dg"cxckrcdrg" vq"o kpg"qr gtcvqtu" eqpukf gtkpi "c"pgy "o kpg"kp"y g"xkekpkv{"cpf"eqwrf"dg"wughwnkp"eqo r rgvkpi "yi g"r gto kv'cr r rkecvkqp0" Vj ku"f cvcdcug" y qwrf "dg"uvkkcdrg" hqt "wug"yi tqwi j "I gqO kpg0'

Cpqy gt "r qygpykcn'uwf {"y qwf "cuuguu"y g"j cdkcv'r qygpykcn'qh'tghqtguygf "o kpg"ukgu"hqt"y g" r tqygeykqp. "gpj cpego gpv'cpf "tgeqxgt {"qh'y tgcygpgf "cpf "gpf cpi gtgf "dcv'ur gekgu0"T ghqtguvcykqp" j cu'nqpi "dggp"wugf "cu'c'r tqygeykqp"cpf "gpj cpego gpv'o gcuwtg"y q"qhhugv'uwthceg"o kpkpi øu'ko r cev' qp"nkuygf "dcv'ur gekgu="j qy gxgt. "xgt {"hkwg"r wdrkuj gf "kphqto cykqp"gzkuvu"qp"y g"uweeguu"qh'y ku" o gcuwtg0"C "uwf {"ku'pggf gf "yj cv'y km'gxcnwcyg"y g"cewcn'cpf kqt"r qygpykcn'dgpghkuu'cpf "uwkcdkrkv{" qh'tghqtguygf "tgercko gf "ctgcu"hqt"y g"r tqygeykqp"cpf "tgeqxgt {"qh'y tgcygpgf "cpf "gpf cpi gtgf "dcv' ur gekgu"cpf "y gkt"j cdkcv0"V j ku"ctgc"qh'uwf {"y qwrf "r tqxkf g"pggf gf "kphqto cykqp"vq"ckf "kp"y g" uweeguuhwn'tgerco cykqp"qh'o kpgf "ctgcu"vq"gpuwtg"ghlgevu"vq"nkuygf "dcv'ur gekgu"ctg"o kpko k gf "cpf" o kpg"qr gtcvqtu"ctg"lo r rgo gpykpi "r tqygeykqp"cpf "gpj cpego gpv'o gcuwtgu'y j kej "wkrk g"y g"dguv' yeej pqmi {"ewttgpvn{"cxckrcdrg0"

D{"eqpvkpvkpi "vq"wug" yi g"tguwmu"qh"crrrkgf "uekgpeg"rtqlgevu"cpf "uwvfkgu."QUOTG"cpvkekrcvgu" kortqxgf "vgej pkech'gxcnwcvkqp"qh'kuuwgu"vq"o ckpvckp"rtqi tco "ghhgevkxgpguu."kortqxg"eqorrkcpeg" y kyj "gzkuvkpi "hcy u"cpf "uwvrqtv'cf xcpegu'kp"eqch'o kpkpi "cpf "tgenco cvkqp0""

Enhance Mine Map Repository (+799,000/+1FTE): "Vj g'r tqr qugf 'r tqi tco 'lpetgcug'y km' gpj cpeg"cpf "gzr gf kg"ewttgpv'QUO TG"ghlqtvu'kp"f ki kkl kpi "wpf gti tqwpf "o kpg"o cr u'vj cv'ctg" guugpvkcn'hqt"r tqvgevkpi "vj g'uchgv{ "qh'eqcn'o kpgtu"cpf "vj g'r wdnke='hqt"r tqvgevkpi "vj g'j gcnj "qh'hcpf " cpf "y cvgt "tguqwtegu="cpf 'hqt"i wkf kpi 'tgur qpukdng'hwwtg"f gxgnqr o gpv'qh'Co gtkecøu'pcwtcn' tguqwtegu0""

Vj ku'r tqr quen'y kni'r tqxkf g''c '\qven'qh'\&9; ; .222'\kp''cf f kkqpen'hwpf kpi '\q''uwr r qtv'Uvcygu'\kp''uecppkpi '' cpf 'i gq/tghgtgpekpi ''42.222''o cr u0''D{ 'hwpf kpi '\j g''r tqr qugf ''gpj cpego gpwu'\q''y g''P cvkqpen'O kpg'' O cr ''T gr qukqt { "cpf 'r tqxkf kpi 'hwpf kpi '\q''Uvcygu'\hqt''y g'\kf gp\khkecvkqp. "f ki kxen'uecppkpi ''cpf 'i gq/tghgtgpekpi ''qh'\wpf gti tqwpf ''o kpg''o cr u'\kp''y gkt ''eqmgevkqpu. "y g''ecr wtg''etkkeen'j kuvqtkeen' kphqto cvkqp''cdqwv'y g''hqecvkqpu''cpf ''r j {ukeen'ej ctcevgtkuvkeu'qh'\wpf gti tqwpf ''o kpgu''y cv'ecp''dg'' wugf '\q''r tqvgev'r wdnke'uchgv\{ "cpf '\ko r tqxg'\y g'\ghhke\kpe\{ "cpf '\ghhgev\kxgpguu'\qh'\tgenco cvkqp'' cev\xkk\kgu0'

Expand Reforestation Initiative (+\$1,000,000/+3 FTE):""Vj ku"kpkkcvkxg"tgs wguvu"f gf kecvgf "uvchh'\"qpg''Rtqi tco 'Eqqtf kpcvqt IHqtguvgt."cpf 'ukz 'vq"gki j v'uwxf gpv'r qukkqpu+"cpf 'f gxgqr o gpv'qh'c" uvtwewtg"vq"uwr qtv'vj g"Tghqtguvcvkqp"Kpkkcvkxg"dgi cp"d{"vj g'Crrcncej kcp'Tgi kqpcn'Tghqtguvcvkqp"Kpkkcvkxg"\"xCTTK\"o qtg"vj cp"vgp"{gctu"ci q0""Vj g"r wtr qug"qh"vj g"kpkkcvkxg"ku"vq"crrn{"vj g"dguv'uekgpeg"vq"hqtguv'tgenco cvkqp"cpf "gpi ci g"{qwj "cpf "nqecn'eqo o wpkkgu'kp"tgencko kpi "vj gug'ncpf u0" Gpqto qwu'gpxktqpo gpvcn"ewwxtcn"cpf "geqpqo ke"dgpghku"ctg"f gtkxgf "htqo "tguvqtkpi "vtggu"vq" vj qug'ctgcu'hqtguvgf 'dghqtg'o kpkpi 0"Vj gug'kpenwf g<"

- Kpetgcugf "rcpf "xcnwgu"cpf "geqpqo ke"rtqf wevkxkv{ "hqt"o kpgf "rcpf u0
- Tgf wevkqp'kp'r gcm'uvqto 'hrqy u''y cv'tgf weg'hrqqf kpi 'r qvgpvkcn')
- Tguvqtcvkqp"qh"j cdkxcv"hqt"vj tgcvgpgf "qt"gpf cpi gtgf "ur gekgu0
- Kortqxgf 'y cvgt's wcrkv{0
- Kpetgcugf "ectdqp"ugs wguxtcvkqp"o kki cvkpi "enko cvg"ej cpi g"ko r cevu0

Electronic Permitting (-\$750,000): QUO TG" j cu" dggp" gzr mtlpi " y g" dguv" y c {" vq" ngxgtci g" ewttgpv" Uvcvg" ghiqtw" cpf "uj ctg" lphqto cwlqp" dgwy ggp" cpf "co qpi "cm" tgi wrcvqt {" r tqi tco "qhhlegu" lqt" y ku" cevkxkv {0" Vj ku" o qf gtpk cwlqp" r tqlgev y km" cej kgxg" lwwwtg" geqpqo kgu" qh" uecng" lqt" equv" ucxkpi u" cpf "ko r tqxgf "ghlgev kxgpguu" cpf "vtcpur ctgpe {0" "Kp" Hl "4238" uvchh" y km" eqpv lpwg" vq" y qtm" y kyj " y g" Uvcvg" qh" O qpv cpc" lp" f gxgmqr kpi "c" f cvc" cr r nlecvkqp" lqt" QUO TG" wulpi "O qpv cpc u" gRgto kwlpi " u {uvgo "cu" c" o qf gn'y kyj "y g" 8972.222" r tqxkf gf "kp" y g" Hl "4238" gpcevgf "dwf i gv0" Vj gtglqtg. "y ku" lwpf kpi "ur gekhle" vq" f gxgmqr o gpv'qh" c"r gto kwlpi "cr r nlecvkqp" y km' pqv' dg" pggf gf "kp" Hl "42390" Vj g" kpetgcug" wpf gt" vgej plecn" cuulkuvcpeg" cevkxkwlgu" kpenwf gu" ecr cekv{" lqt" o qf khlecvkqpu" vq" vgej plecn" cur gewi'qh" y ku" r tqlgev0'

#### Overview

Vj g"Vgej pqmi {"F gxgmr o gpv"cpf "Vtcpuhgt"\*VF V+"dwukpguu"nkpg"\*r tqi tco "cevkxk\{+"r tqxkf gu" tguqwtegu"hqt"vgej plecn"cuukuvcpeg."vtckpkpi ."vgej pqmi {"f gxgmr o gpv"cpf "vgej pqmi {"vtcpuhgt" r tqi tco "uwd/cevkxkkgu0""Vj ku"r tqi tco "cevkxk\{"uwr r qtvu"cpf "gpj cpegu"vj g"vgej plecn"unkmu"vj cv" Uvcvgu"cpf "Vtkdgu"pggf "vq"qr gtcvg"vj gkt"tgi wncvqt {"cpf "tgenco cvkqp"r tqi tco u0"Vj tqwi j "uwr r qtv'qh" QUO TGou"tguvqtcvkqp"cpf "r tqvgevkqp"i qcnu."VF V"hwpf u"ko r ngo gpv"ghngevkxg"r ctvpgtuj kr u"v kyj "QUO TGou"uvcmgj qnf gtu0""VF V"ku"c"pcvkqp/y kf g"r tqi tco "vj cv"r tqxkf gu"tguqwtegu"vq"Uvcvgu"cpf "Vtkdgu"vj cv'o ggv'vj gkt"ur gekhle "vgej plecn'cpf "vtckpkpi "pggf u"kp"ectt {kpi "qw"vj g"tgs wktgo gpvu"qh" UO ETC0""

Kp" 4238" cpf" 4239." QUO TG"y km'eqp\kpwg"\q"r tqo q\v."\q"\y g"gz\vgp\r'r quukdrg."\y g"\wg"qh"\ygej pkecn' Kppqxc\kqp"cpf" Rtqhguukqpcn'' Ugtxkegu" \*VKRU+"\p"\vgej pkecn'f gekukqp/o cmkpi "r tqeguugu''t gre\vgf"\q" UO ETC=" cfftguu" y g" tgo gfkc\kqp" qh" cekf" o kpg" ftckpci g" y tqwi j "r ct\kekrc\kqp" kp" y g" Cekf" Ftckpci g" Vgej pqmi {" Kpkkc\kxg=" cpf" hkpcrk g" ej cpi gu" cpf" r tqxkf g" \tckplpi " cpf" \vgej pkecn' cuuku\cpeg"\q" o gg\"kf gp\khkgf "pggf\u"\qh" U\c\vgu"\cpf" Vtkdgu\0" Cn\q." QUO TG\vu"\vgej pqmi \{"\tcpuhgt" r tqi tco "y km'eqp\kp\wg"\ku"\uwr q\t\v'\hqt" grge\tqpke" r gto kwkpi "cpf" o qdkrg"eqo r \wkpi "ghqt\u." d\{" \urr qp\uqtkpi " kp\vgt\ce\kxg" \vgej pkecn' hqtwo \u" cpf" tgre\vgf" y qtmij qr\u0' " Kp" cffkkqp." QUO TG" y km' eqp\kp\wg"\u'r tqxkf g"tgi kqpcn'\vgej pkecn'\ugtxkeg." nkdtctkgu." cpf "o qtg"ghhkekgp\"ceeguu"\up" EQC NGZ" \*c'eqo r \wgt/cuuku\vgf "hkdtct \{"\ugctej "\ugtxkeg+\0"""

Operational Process (Program Activities): Vj g"VF V"r tqi tco "cevkxkvgu"gpj cpeg" yj g"vgej plecn" unkmı" yi cv"Ucvgu"cpf "Vtkdgu"pggf "vq"qr gtcvg" yi gkt "tgi wrcvqt {"cpf "tgenco cvkqp" r tqi tco u"kp"qtf gt"vq" o qtg" ghhgevkxgn(" ko r ngo gpv" UO ETCO' Vj gug" r tqi tco " cevkxkvkgu" ctg" cp" kpvgi tcn" r ctv" qh" ceeqo r nkuj kpi "Gpxktqpo gpvcn"Tguvqtcvkqp"cpf "Gpxktqpo gpvcn"Rtqvgevkqp"vq"cej kgxg"QUO TGøu" i qcnu"cpf "qweqo guO'

QUO TG"r tqxkf gu" vgej pkecn" vtckpkpi "vq" QUO TG" uvchh "cpf "Uvcvgu" cpf "Vtkdgu" qp" c" xctkgv{ "qh"

vqr keu0' "Pgy" vgej pqnqi kgu." ej cpi gu'kp''tgi wrckqpu."cpf 'uvchh'' wtpqxgt" pgeguukcvg" yj g" pggf" hqt"eqpvkpwgf "vgej plecn'vtckpkpi 0" Vq'uqnxg"r tqdngo u"tgncvgf "vq"vj g" gpxktqpo gpvcn' ghhgevu'' qh'' eqcn'' r tqxkf gu" o kpkpi." QUOTG" o wn.kf kuekr nkpct {" wej plech' cuukuvcpeg" cpf " y qtmu" y kyj " r wdnke" qp" vgej pkecn' kuuwgu" ctkukpi "htqo "pgy "tgi wncwkqpu0" Qyj gt" vgej pkecn' cuukuvcpeg" ghhqtu" kpenwf g" vj g" VKRU." vj g" Crrnlecpv" Xlqncvqt" U{uvgo " \*CXU+." cpf" Grgevtqpke"

### TECHNOLOGY DEVELOPMENT & TRANSFER ENCOMPASSES:

Technical Assistance" Technical Training"

Vgej plecn'l Kopqxcvkqp''cpf 'Rtqhguukqpcn'l Ugtxkegu''\*VkRU+''
Crrrkecpv''Xkqrcvqt''U{uvgo '\*CXU+''
Technology Development''
Technology Transfer''

Rgto kwkpi "\*GR+0'QUO TG"cnuq"guvcdrkuj gf "cp"kpvgti qxgtpo gpvcn'vgco ."vj g"P cvkqpcn'Vgej pqmi {" Vtcpuhgt"Vgco "\*P VVV+"vq"r tqxkf g"f ktgevkqp."eqo o wpkecvkqp"cpf "eqqtf kpcvkqp"qh"ghhqtvu"tgrcvgf "

vq" vgej pqrqi {"vtcpuhgt"cpf" f gxgrqr o gpv0' Vj ku" vgco "ku"c"r gto cpgpv' gpvkv{"cpf" y km' eqpvkpwg" vj tqwi j qwv'H[ "4238"cpf "H[ "42390" Vgej pqrqi {"vtcpuhgt" ku"c"o clqt"r ctv'qh' QUO TGøu 'eqqr gtcvkxg" ghqtv'y kj "Uvcvgu'cpf" Vtklgu0'

Actions Required to Achieve Annual Goals:  $\[ \] \] \[ \] \] \[ \] \[ \] \] \[\] \[ \] \[\] \[ \] \[\] \[\] \[\] \[\] \[\] \[\] \[\] \[\] \[\]$ 

Resources, Skills, and Technology Needed: Cp"qpi qlpi "i qcn'hqt"H[ "4239"ku"vq"eqpvkpwg" gpuwtlpi "Ucvgu."Vtkdgu."cpf "QUOTG"j cxg"y g"dguv'cxckrcdrg"vgi plecn'f cvc"cpf "kphqto cvkqp" pggf gf "vq"o cng" i qqf "uekgpeg/dcugf "f gekulqpu"tgi ctf kpi "o kpkpi "r rcpu."tgerco cvkqp"rtqlgev'f guki p."r gto kv'tgxkgy u."cpf "cekf "o kpg"f tckpci g"tgo gf kcvkqp"cpf "r tgxgpvkqp0'"Vq"uveeguuhwn{"ko r rgo gpv'y g"uwthceg"o kpkpi "tgi wrcvqt {"cpf "tgerco cvkqp"rtqi tco u."QUOTG."cu"y gm'cu"y g"Ucvgu'cpf "Vtkdgu."o wuv'o ckpvckp"o wnk/f kuekr rkpct {"uvchhu"y cv'ctg"hwm{"eqo r gvgpv'kp"cf f tguukpi "c" y kf g'xctkgv{"qh'vgej plecn'kuuvgu"y cv'ko r cev'y gug'rtqi tco u0'

Vj g"vqvcn"H[ "4239"tgs wguv"hqt"vj ku"dwukpguu"nkpg"ku"&490, "o kmkqp0""Vj g"tgs wguv"kpenwf gu"&865" o kmkqp"hqt"Vgej plecn"Cuukuvcpeg"\*kpenwf kpi "vj g"Cr r nlecpv"Xkqncvqt"U{uvgo "uwr r qtv="&66"o kmkqp" hqt"Vgej plecn"Vtckpkpi ="cpf" & 04"o kmkqp"hqt"Vgej pqmi {"Vtcpuhgt"ghqtvu"vq"o ggv"vj g"cppwcn" i qcnu"ugv"hqtvj "cdqxg0'

Vj g"hqnqy kpi "ugevkqp"f gvcknu."d{"r tqi tco "cevkxkv{."yi g"hwpf kpi "cpf "HVG"tguqwtegu"tgs wktgf "vq" o ggv'qwt "ewnqo gt "ucvkuhcevkqp"r gthqto cpeg"o gcuwtgu0"'Ki'cnuq "kpenwf gu"gzco r ngu"qh'yi g"v{r gu"qh" yej pkecni vtckpkpi." cunkuvcpeg" ghqtvu." cpf "vtcpuhgt" r tqxkf gf "d{"vj kn" dwukpguu" nkpg0

#### 2017 PROGRAM PERFORMANCE

 $\label{thm:control_vi_discontrol} Vj g"hqmy kpi "r tqi tco "cevkxkkgu"uwr r qtv"QUO TGxu"i qcn"vq"uvtgpi vj gp"vj g"ecr cdkkkkgu"qh"vj g" Ucvgu. "Vtkdgu."cpf "QUO TG'uvchh'vq"ko r rgo gpv"UO ETC "ghhgevkxgn{ "vj tqwi j "s wcnkv{ "vgej pkecn"cpf" uekgpvkhke "kphqto cvkqp."gzr gtvkug. "cpf "vtckpkpi 0"Unkm"cpf "mpqy rgf i g"gpj cpego gpv"ku"etkkecn"vq"vj g" eqpvkpwgf " uweeguu" qh" vj g" Uwthceg" O kpkpi " r tqi tco 0' Kp" cf f kkqp." QUO TG" y km' r tqxkf g" qr r qtwpkkkgu" vq" uwf gpvu"cpf "kpvgtpu."gkvj gt"f ktgevn{ "qt" vj tqwi j "eqqr gtcvkxg"ci tggo gpvu"y kvj "qvj gtu. "wpf gt"xctkqwu"cevkxkkgu"f guetkdgf "kp"vj ku"ugevkqp"vq"gpi ci g"{qwj "kp"vgej pkecn"cpf "pcwtcn" tguqwtegu"cevkxkkgu0"$ 

QUO TGʻu'' uvcngj qrf gtu" \*Ucvgu." Vtkdgu." r wdrke" cpf "kpf wux {+"eqpvkpwg" vq" gzr tguu" uwr r qtv" hqt" Vgej pqqqi {"F gxgqqr o gpv"cpf "Vtcpuhgt"ghhqtwl"cpf "gpeqwtci g"QUO TG"vq"r tqxkf g" yj g" v{r gu"qh" vgej phecn" uwr r qtv" pggf gf " vq" ghhgevkxgn{" cpf " ghhkekgpvn{" o ggv" UO ETC." yj g" P cvkqpcn" Gpxktqpo gpvcn'Rqnke{"Cev."cpf "qyj gt"gpxktqpo gpvcn'cpf "uchgv{"ncy u0" Equv ghhgevkxg"eqo r nkcpeg" y kmi'j grr "kpf wuxt {"tgo ckp"eqo r gkkkxg"y kyj "qyj gt"gpgti {"uqwtegu0" J grr kpi "yj g"Uvcyu." Vtkdgu"cpf " kpf wuxt {"cej kgxg"wr/htqpv"eqo r nkcpeg" y kmi'tgf weg" yj g"pggf "hqt"cff kkqpcni'tgi wrcyt {"tguqwtegu0" Vj g" VF V" r tqi tco " ctgc" f guetkdgf " kp" yj g" hqmqy kpi " r ci gu" tgr tgugpvu" yj qug" cevkxkkgu" yj gtg" QUO TG" uvchh" r tqxkf gu" f ktgev' yej phecni' uwr r qtv' cpf " qpi qkpi " ghqtwl" kp" qyj gt" dwukpguu" nkpgu0" O cp{"cevkxkkgu"pqv"{gv'eqpf wevgf "kp"H[ "4238"y kmi'kf gpvkh{"yj g"pggf u"hqt"cevkxkkgu"kp"H[ "42390" Kp"cf f kkqp."cf lwwo gpwu"kp"cevkxkkgu"o c{"dg"pgeguuct{"f wtkpi "H[ "4238"cpf "4239"kp"qtf gt" vq" hqewu" tguqwtegu" qp" yj g" j ki j guv'' r tkqtkx{" r tqi tco " pggf u0' Vj gtghqtg." yj g" f kuewuukqpu" ctg" tgr tgugpvcvkxg"qh''yj g'v{r gu'qh''cevkxkkgu''yj cv'y kmi'dg''eqpf wevgf "kp"yj g'hwwtg0""

#### 1. Technical Assistance

Vj ku"r tqi tco "cevkxkx{"r tqxkf gu"cuukuvcpeg"vq"Uvcvg"cpf "Vtkdcn'tgi wrcvqt {"cpf "tgerco cvkqp"uvchh" cpf "vq"QUO TG"uvchh"j cv'tgxkgy "cpf "o qpkxqt"Uvcvg"r tqi tco u."f gxgrqr "twrgu"qt"r qrke {."rkxki cvg" UO ETC "ej cmgpi gu"qt "gphqtego gpv'cevkqpu."qt"o ckpvckp"qvj gt "vgej pkecn'uwr r qtv'kphtcuvtwewtg" uwej "cu"VKRU."CXU."cpf "vgej pkecn'tckpkpi "r tqi tco u0""

Vgej plecn'cuukuvcpeg'ku'r tqxkf gf ''ur gekhke''vq''cdcpf qpgf ''o kpg''ncpf ''r tqlgevu. ''ekxkn'r gpcnv{ ''cpf ''dqpf '' hqthgkwtg''r tqlgevu. ''cpf ''qvj gt''tgi wncvqt { ''o cwgtu0''Vj gug''v{r gu''qh''gpf gcxqtu''ctg''kpvgi tcn'r ctwi''qh'' y g''Gpxktqpo gpvcn'T guvqtcvkqp''cpf ''Rtqvgevkqp''dwukpguu''nkpgu''cpf ''ctg''pqv'kpenwf gf ''kp''vj ku''r tqi tco '' cevkxkv{0'

Ewurqo gt"uwtxg{u"uwej "cu"yi qug"eqpf weyf "wpf gt"yi g"I qxgtpo gpv'Rgthqto cpeg"cpf "Tguwnu"Cev" \*I RTC+" ctg" wugf " vq" f qewo gpv" yi g" tgur qpulxgpguu" qh" QUO TGzu" yeej plecri" cuulkuvcpeg" vq" kuu" ewurqo gtu" kp" c" vko gn{"cpf "r tqhguulkqpcn"o cppgt0""D{"o ggykpi " yi g" yeej plecri" cuulkuvcpeg" pggf u." QUO TG"ecp" ghhgevlxgn{"cej kgxg" kuu"Gpxktqpo gpvcn"Tguvqtcvkqp" cpf "Gpxktqpo gpvcn"Rtqvgevlqp" o kuulkqp"i qcnu'y j krg"hquvgtkpi "yi g"ghhlekgpv'wug"qh'qwt"pcwtcn'tguqwtegu0""

#### a. Technical Policy Assistance

QUO TG'ur gekchunu'r tqxkf g''yej pkecn'cuukurcpeg''\q''Uvcyg''cpf ''QUO TG'tgi wrcvqt { "cpf 'tgerco cvkqp" r qrke { 'tvchh0"'Vj g''ctgcu''qh''cuukurcpeg'kpenwf g''twrgo cnkpi = ekkk gp''eqo r rckpv'kpxguvki cvkqpu=tgxkgy " qh''"qhhukg''ko r cevu='i wkf grkpg''f gxgrqr o gpv="Uvcyg''r tqi tco "co gpf o gpv="Uvcyg''o kpkpi "r gto kk''

gxcnwc\kqp="CO N"rtqdrgo "gxcnwc\kqp="drcu\kpi "r qrke {="rtlo g"hcto repf "tgerco c\kqp="i gqo qtr j ke" tgerco c\kqp=" uqkri" uwdu\kwwkqp." eqcri' eqo dwu\kqp" tgukf wg" r rego gpv=" tgerco c\kqp" dqpf kpi " uwhhkekgpe {"cpf "dqpf "tgrgcug="yi tgc\gpgf" cpf "gpf cpi gtgf "ur gekgu="tgu\qtc\kqp"qh"o kpgf "repf "y kyi" pc\kxg" xgi gvc\kqp=" repf " wpu\kcdkr\{" f g\gto kpc\kqpu=" r ct\kekr c\kqp" cu" yej pkecri' gzr gt\u" qp" kp\gtci gpe {"eqo o k\kggu="cekf" o kpg"f tc\pci g"\*CO F +"r tgxgp\kqp"cpf "tgo gf kc\kqp="cekf" cekf "cpf "\qz\ke" hqto kpi "o c\gtkcru"j cpf rkpi ="u\thceg"cpf" i tq\pyf y c\gt"f gy c\gt\kpi ="u\tgco "cpf "\pyf gti tq\pf" o kpg" hqqf kpi ="o q\pyck\pqr" o kp\kpi "cpf "\xcmg {"hkm="r gto k\gt'h\pf kpi u="tgo kp\kpi ="ko r q\pyf o gp\gt'\ucdkr\gt\{=" u\td\gt} u\td\gt gpeg"ec\ugg "d {"\ypf gti tq\pf" o kp\kpi ="cpf" cuu\ku\cpeg"\kp"hqu\gt\kpi "\tkdcri'r t\ko ce {"d {"\ypf gri kpi" Vtkdgu"f gxgqr "\yej pkecri'ecr cd\kk\gu\0"

Gzco r ngu'qh'cevkxkkgu'hqt 'H[ "4238"/ "4239 'kpenxf g<" "

Druvkpi - Cppwcm(." yi g" QUO TG" hecktocyu" f kuewukqpu" dgw ggp" Uccy" cpf " Hgf gtcn' druvkpi " ur gelchkwu" vq" hquvgt" c" dgwgt" wpf gtuvcpf kpi " qh" druvkpi " kuwyu" cpf " vgej pqmi { " yi cv' tguwn" kp" eqpuknygpv'cr r neckqp"qh"druvkpi "twgu"cpf "tguqnwkqp"qh"ekkl gp"eqo r nckpw0""Vq"cej kgxg" yi gug" i qcmi"kp"H "4237."QUO TG"eqpf wevgf "uccy" ur gelkhe"druvkpi "kpur gevkqp" tckpkpi ."f gxgmqr gf "Gzegn" vqmi" vq" r tgf kev" yi g" cf xgtug" ghlgewi"qh" druvkpi ."o ckpvckpgf" yi g" Druvkpi "F qy pmcf" y gdr ci g." j quvgf "o qpyi n("Druvkpi "Vgej plecn'Ej cv'eqphgtgpeg"ecmu."r ct wekr cvgf "kp" yi g"Cr r creej kcp"Druvygt" Egt wheckqp"F grgi cvkqp. "hecktocygf "Uccy" tgi wrcyt { "f kuewukqpu"cv'Uccy" eqqtf kpcvgf "y qtmuj qr u" cpf "tgur qpf gf "vq"pwo gtqwu"uccy"kps wktkgu"hqt "vgej plecn'kphqto cvkqp"cpf "cf xkeg0""QUO TG"cnuq" eqpvkpwgf "vq'kuwy"QUO TG"Druvyt"Egt wheckyu"\*tgeqi pk gf "d{ "o cp{"Uccyu'hqt"egt wheccy lrkegpug" tgekr tqekv{+" r tqxkf gf " eqpvkpwkpi " gf weckqp" vtckpki " hqt" druvytu" cpf " o ckpvckp" yi g" Druvyt" Egt wheckqp" Vtcenkpi "U{ uvgo "\*DE VU+"y j kej "ku"wugf "vq"vtceni'Hgf gtcm(/egt why f "druvytu0'"Vq" gpeqwtci g"uxqpi "gf weckqp"qh"druvytu."QUO TG"j cu"f gxgmqr gf "r ctvpgtuj kr u"y kyj "yi g"Wpkxgtukv{" qh"Mgpwem("cpf "Dtkf i g"Xcmg{"Eqo o wpkv{"cpf "Vgej plecn'Eqmgi g"vq"gpuwtg"yi cv'ewttlewnwo u" eqpvckp"yi g"pgeguuct { "grgo gpwi'hqt"druvyt"egt whecyu0'

Kp"H "4238"cpf "4239."QUO TG"y kn"eqp\kpwg"\q" gr "U\cvgu"cf f tguu"\gej pqnqi {"kuwgu"tgrc\gr "\q" y g"\wg"qh"gzr nqukxgu"uwej "cu"pgy "r tqf we\u."pgy "f guki p"\gej pks wgu."kp\gtr tgc\kqp"qh"ugkuo ke"cpf "ceqwu\ke"o qpk\qtkpi "kp\qto c\kqp."yi g"r tqr gt"f gr m {o gp\"qh"drcu\kpi "ugkuo qi tcr j u."eqpuku\gp\"f gxgnr o gp\"qh"drcu\kpi "r rcpu."drcu\"ctgc"uge\kt\{"cuu\ktopegu."gu\cdr\kij kpi "uc\g"xkdtc\kqp"r\ok ku." eqp\ktop\tqh"h"n\tqem"o kpko k\ c\ktop"qh"drcu\"h\wo gu"cpf "r tqr gt"tgeqtf "nggr kpi 0"Drcu\gt"egt\kt\ec\ktop" r tqi tco u"y km"eqp\kp\wg"\q"dg"u\wr r qt\gt" "\q"gpu\ktgc"f gs \wc\g"\tckpkpi ."ko r tqxgf "y qtm"gzr gt\gpeg" qr r qt\wp\kt\gu." eqp\kt\uktyp\" yu\kpi ."cpf" \wp\ktqto "egt\kt\ec\g" kuu\cpeg" cpf " tgekr tqek\{"cetquu"\yi g" pc\ktqp0" "U\xr r qt\" y kn" cnq" eqp\kp\wg" c\" pc\ktqpcn" eqp\kp\kp\pi "g f wc\ktqp" gxgp\u" y c\" r tqxkf g" \gej pq\mi kcn"cpf "tgi \wc\ktq" ("\wc\ktqp" at c\ytq" at c

<u>Cekf "O kpg"F tckpci g" \*CO F</u> +<" "Uwthceg" cpf " wpf gti tqwpf " eqcn" o kpkpi " cevkx kkgu" gzr qug" ktqp" uwthkf g" o kpgtcnu" kp" tqeni' vq" y gcvj gtkpi 0'" Vj g" kpvgtcevkqp" qh" vj gug" tqenulo kpgtcnu" y kyj " ckt" cpf " y cvgt" ecp" tguwn' kp" CO F ." cpf kpt" o gvcn'tkej " f tckpci g." y j kej " ctg" vj g" r tko ct { " y cvgt" s wcrkv{"

r tqdrgo u"kp"Crrcrcej kc"cpf "vq"c"rguugt."dw/'uvkm'ugtkqwu."gz vgpv'kp"qvj gt"eqcri'cpf "j ctf "tqem' o kpkpi 'tgi kqpu0""

Kp"H[ "4238"cpf "4239."QUO TG"y km'eqp\kpwg"vq"r ct\kekr cvg"kp"yj g"Cekf "Ftckpci g"Vgej pqmi {" Kpkkc\kxg"\*CF VK-"c"eqmcdqtc\kxg"ghlqtv'co qpi "Hgf gtcn'ci gpekgu."kpf wuxt {."yj g"Ucvgu."cecf go kc." cpf "yj g"P c\kqpcn'O kpg"Ncpf "Tgenco c\kqp"Egpvgt"vq"r tqo qvg"eqo o wpkec\kqp"cpf "vgej pqmi {" gpj cpego gpv'kp"yj g"hkgrf "qh"go gti kpi "o kpg"y cvgt"kuuvgu."r ct\kewrctn{"CO F."ugngpkwo "cpf "vqvcn' f kuuqnxgf 'uqnkf u'\*VF U+"r tgf ke\kqp."r tgxgpvkqp"cpf "\tgcvo gpv."cpf "dkqmi kecn'ko r cew0"""

COF Vtgcv'luphy ctg<br/>
"COF Vtgcv'luphy ctg<br/>
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"COF Vtgcv'luphy ctg" cvgt "f tckpci g."eqo o qpn{"tghgttgf "vq"cu"Cekf "O kpg"F tckpci g"<br/>
"COF+0" "Vj g"COF Vtgcv'uqhy ctg" y cu"qtki kpcm{"tgngcugf "kp"4225"cpf "wr f cvgf "kp"4235"vq"<br/>
kpeqtr qtcvg"gpj cpegf "i gqej go kuxt{"o qf grkpi "vqnn0"K"j cu"dggp"f kuxtkdwgf "d{"f ktgev'f qy prqcf u"<br/>
htqo "qwt"y gdukyg"vq"y qwucpf u"qh"wugtu0""Vj gug"wugtu"kpenwf g"y cvgtuj gf "cuuqekcvkqpu."tgi wrcvqt {"<br/>
cwj qtkkgu."gpxktqpo gpvcnli tqwr u"cpf "kpf wuxt {"nqecvgf "kp"qxgt"62"Ucvgu"cpf "cetquu"62"eqwpxtkgu0""

 $COFVtgev'' ku'' c''' r tqxgp''' xkxcn'' vqqn'' hqt''' yi g'' UOETC'' tgi wrevqt \{ "cpf "cdcpf qpgf "o kpgf "rcpf "rtqi tco u. "wugf "f ckn\{ "vq''hqtgecuv''geqpqo ke "qr vkqpu''cpf "qr vko k\{ g''yi g''wug''qh''qwt''nko kygf "vtgevo gpv''hwpf u0'''Rrcpu''ctg''wpf gty c \{ "kp''4238''vq''gpj cpeg''yi g''uqhwy ctg''d\{ "cf f kpi "j\{ f tcvgf ''nko g''cpf ''nkpgvke'' uk\{ kpi "o gyj qf qmi kgu0'''QUOTG''ku''r ctvpgtkpi "y kyj "yi g'' Wpkygf "Ucvgu''I gqmi kecn''Uwtxg\{ "cpf "Rgppu\{ nxcpkc''F gr ctvo gpv''qh''Gpxktqpo gpvcn''Rtqvgevkqp''qp''yi gug''ghtqtw0''''$ 

F guki pcvkpi "Ctgcu"Wpuwkcdrg"hqt"Uwthceg"Eqcn'O kpkpi <""Ugevkqp"744"qh"UO ETC"guvcdrkuj gu"c" r tqeguu"d{"y j kej "vj g"r wdrke"o c{"r gvkkqp"vj g"tgi wrcvqt{"cwj qtkv{"vq"rko kv"qt"r tqj kdkv"cm'qt" egtvckp"v{r gu"qh"uwthceg"eqcn'o kpkpi "qr gtcvkqpu"qp"pqp/Hgf gtcn'rcpf u"vq"r tqvgev'egtvckp"hgcwxtgu"qt" gpxktqpo gpvcn'xcnvgu0"QUO TG"tgegkxgu"cpf "r tqeguugu"vj gug"r gvkkqpu"hqt"cm'rcpf u"hqt"y j kej "kv"ku" vj g"tgi wrcvqt{"cwj qtkv{0"Vj g"f gekukqp/o cmkpi "r tqeguu"kpenvf gu"r tgr ctcvkqp"qh"cp"gpxktqpo gpvcn' ko r cev'uvcvgo gpv'cpf "c"vcmkpi u"ko r nkecvkqp"cuuguuo gpv0""

QUO TG'cnuq''ku'tgur qpukdng'hqt''o cnkpi "xcnkf "gzkukpi "tki j wi'\*XGT+'f gvgto kpcvkqpu'wpf gt'ugevkqp" 744\*g+'hqt"cm'Hgf gtcn'ncpf u'cpf "cm'ncpf u'hqt"y j kej "QUO TG'ku''y g'tgi wncvqt { "cwi qtkx{0"'Ugevkqp" 744\*g+''r tqj kdku"qt"nko ku''uwthceg''eqcn''o kpkpi "qr gtcvkpi "y kyj kp''egtvckp''ctgcu."uwdlgev''vq''xcnkf'' gzkuvkpi 'tki j w0''''

Dqvj "wpuwkcdkrkv{"f gvgto kpcvkqpu"cpf "XGT"f gvgto kpcvkqpu"tgs wktg"uwduvcpvkcn"vgej plecn'cpf "r tqi tco o cvke"tguqwtegu"cnuq"uwr r qtvgf "d{"vj g"Gpxktqpo gpvcn"Rtqvgevkqp"dwukpguu"nkpg0'"Vj g{"cnuq"kpxqnxg"rkkki cvkqp"uwr r qtv"kh"c"vcnkpi u"encko "ku"uwdugs wgpvn{"hkrgf "ci ckpuv" yj g"Hgf gtcn" I qxgtpo gpv0""

## b. Site-Specific Technical Assistance

QUOTG" ur gekrkuwu" cuukuv" kp" yi g" yej pkecn" cur gevu" qh" eqo r nkcpeg" o qpkqtkpi " \*kpenwf kpi " kpur gevkqp"cpf "gphqtego gpv"cuukuvcpeg+: "gzr gtko gpvcn"r tcevkeg"tgxkgy u. "tgenco cvkqp"equv"guvko cvg" ecnewackqp." dqpf " tgngcug" cr r nkecvkqp" tgxkgy u. " dqpf " cr r tqxcn" tgxkgy u. " dqpf " hqthgkwtg" tgenco cvkqp" f guki pu. " ncpf " wpuwkcdkrkv{" f gvgto kpcvkqpu." uvtxg{kpi ." tgxgi gvcvkqp." i gqnqi ke" uco r nkpi ." CO N" f guki pu. " uvdukf gpeg" cpf "CO F" cdcvgo gpv." cpf " cp{" vgej pkecn" cuukuvcpeg" qp"

O kpg"Y cvgt "Vtgcvo gpv"U{uvgo u'Ghhekgpe{ "Gxcnvcvkqp<"P wo gtqwu'ecugu"qh'cevkxg"cpf "cdcpf qpgf" o kpg"y cvgt "vtgcvo gpv"u{uvgo u"gzkuv"yi tqwi j qww"yi g"Crrcmej kcp"Tgi kqp0'Vj g"ghhkece{"qh"yi gug" u{uvgo u"ku"qhvgp"y gml'dgmy "qr vko wo "eqpf kvkqpu"f wg"vq"c"xctkgv{ "qh"tgcuqpu0'Cdcpf qpgf "o kpg" vtgcvo gpv" u{uvgo u" ctg" i gpgtcm{" qr gtcvgf " d{" Uvcvg" ci gpekgu" qt" mqecn" pqp/i qxgtpo gpv" qti cpk cvkqpu"cpf "tgs wktg"eqpvkpwcn"hwpf kpi "hqt"qpi qkpi "qr gtcvkqp"cpf "o ckpvgpcpeg0'Y j gtgcu." y cvgt "vtgcvo gpv"cv"cevkxg"o kpg"uksgu"j cu"vj g"uvcwvqt { "tgs wktgo gpv"qh"vtgcvkpi "vq"o ggv"ghhrwgpv" uvcpf ctf u0'Uvhhkekgpv'dqpf kpi "ku'tgs wktgf "vq"cuuwtg" yi cv'vtgcvo gpv'eqpvkpvvg" wpvkn'yi g'y cvgt "s wcnkv{" o ggw"ghhwgpv"uvcpf ctf u"y kij qww"vtgcvo gpv="y j kej "kp"o cp{ "kpuvcpegu"rcuvu"hqt"cv"rgcuv"f gecf gu0" Ej ctcevetk cvkap "qh" vj gug" vtgcvo gpv" u {uvgo u"cmqy u"hqt" f gvgto kpcvkap "qh" vj g"guvko cvef "vko g"r gtkaf" yj cv'ttgcvo gpv'o c{"dg"pgeguuct{."o gcpu"cpf "o gyj qf u"hqt"ko r tqxgo gpv'qh"yj g"gzkuvkpi "ttgcvo gpv" u{uvgo "ghhelspe{."equv'vq"eqpuvtwev'cpf "qr gtcvg"pgy "qt"tgr rcego gpv'vtgcvo gpv'u{uvgo u"cu"y gm'cu" yj g"r qygpykcn"hqt"go r m{kpi "pgy "kppqxcykxg"ygej pqmi kgu"vq"ucxg"ecr kxcn"rcdqt"cpf "o cygtkcnu" equvu0'O cp{"gzkvkpi "tgcvo gpv"u{uvgo u"y gtg"f guki pgf "cpf "eqpuvtwevgf "dcugf "qp"vgej pqrqi {"  $f gxgqqr gf "o cp{"{gctu"ci q0P gy "vgej pqqqi kgu"cpf "o gyj qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi gp" qf u"*g0 0"wug"qh"j ki j/uvtgpi vj "j {f tqi qp" qf u" q$ r gtqzkf g"cu"cp"qzkf gpv+"j cxg"dggp"uj qy p"vq"i tgcvn{"tgf weg"vtgcvo gpv"equvu"cpf "f ko kpkuj "yj g" xqnwo g"qh"tgukf wcn"unwf i g"etgcvgf "f wtkpi "vtgcvo gpv0'QUO TG"ku"r tgugpvn( "gxcnwcvkpi "pwo gtqwu" vtgevo gpv'heektkkgu'kp"Y guv'Xkti kpkc. 'O ct {mpf. 'Rgppu{nxcpkc'cpf'Vgppguugg0'

Eqcn'Ugco "Httg"F grkpgckqp<""QUO TG"eqpvkpwgu"vq"cuukuv"Uvcvgu"cpf "Vtkdgu"kp"yi g"wug"qh'yi g" HNKT "\*Hqty ctf "Nqqnkpi "KohtcTgf +"eco gtc"vq"f grkpgcvg"yi g"gz vgpwu"qh'wpf gti tqwpf "o kpg"hktgu." dwtpkpi "eqcn'ugco u."cpf "dwtpkpi "uvqem'"cpf "y cuvg/r krgu0'Dwtpkpi "eqcn'ecwugu"c"o wnkwf g"qh' r tqdrgo u'tcpi kpi "htqo "o kpqt"\*yi g"uo gm'qh'dwtpkpi "eqcn+"vq"rkhg"yi tgcvgpkpi "\*o kpg"uwdukf gpeg"qt" hqtguv'hktgu"cpf "j cu"gpxktqpo gpvcn'eqpugs wgpegu"\*g0 0"r ctvkewrcvg"cpf "qvj gt"ckt"go kuukqpu+0""Vj g" HNKT "eco gtc"ku"c"r ctv'qh"VkRUø'gs wkr o gpv'qy pgf "d{"QUO TG"cpf "mqcpgf "vq"Uvcvgu"cpf "Vtkdgu" yi tqwi j qwv"yi g"pcvkqp0'Wug"qh"yi g"HNKT "eco gtc"vq"f grkpgcvg"yi g"gz vgpvu"qh"dwtpkpi "eqcn'ugco" j grr u"Uvcvgu"cpf "Vtkdgu"ecrewrcvg"yi g"gz vgpv'qh'yi g"r tqdrgo "cpf "f gtkxg"uqrwkqpu"vq"cf f tguu"dqyi "r tgugpv'cpf 'hwwtg'r tqdrgo u0'

Kirkpqku" CO N" Vgej pkecn" Cuukurcpeg" Cdcvgo gpv" qh" Cekf "O kpg" Ftckpci g<" "QUO TG" j cu" dggp" cuukurkpi "y q"qp/i qkpi "r tqlgevi"kp"uqwj gtp" Kirkpqku"/" y g"Rcn q"r tqlgevi pgct "O ctkqp" cpf "y g"Vcd/Uko eq"r tqlgevi pgct "Ectdqpf crg0" "Dqyj "ctg" CO N" uksgu" j gcxkn ("ko r cevgf "d {"cekf" o kpg" ftckpci g" \*CO F +0" Vj g"Rcn q"uksg" ku'y ky ky kp" y g"Uj cy pgg" P cvkqpcn "Hqtguv'y j gtg" y gtg" tgo ckpu "eqpukf gtcdrg" r wdnke "cpf" "WUU Hqtguv' Ugtxkeg" \*WUHU+" kpvgtguv' kp" cdcvkpi "y g"CO F "r tqdrgo "y cv' ku" j gcxkn ("ko r cevkpi "y q"tgegkxkpi "untgco u. "Uwi ct "Etggm" cpf "y g"Uqwj "Hqtm" qh" y g"Ucnkpg" Tkxgt0" "Kp" H[" 4237. "QUO TG" eqpvkpwgf "q"cuukur'y g"Ucvg" cpf "y g"WUHU "kp" i tqwpf y cvgt "cpf "uwthceg" y cvgt "f cw" eqngevkqp" cpf "eqo r krcvkqp" cpf "i gqej go kecn" o qf grkpi "qh" y g"uksg" vq" uwr r qtv'r quukdrg" cdcwgo gpv' o gcuwtgu "kpenwf kpi "c" r cuuksg" vtgcvo gpv'u (uvgo "f guki pgf "d {"QUO TG" kp" eqnrcdqtcvkqp" y kyj "y g" Ucvg0'" Cnxq" kp" H[" 4237. "QUO TG" eqpvkpwgf" vq" r tqxkf g" yej pkecn" cuukurcpeg" kp" gxcnwcvkpi "cp" ko r tqxgf" "u (uvgo "cv'y g" Vcd/Uko eq"uksg" y j kej "ku" ugtxkpi "cu" c" yuv'dgf "hqt "gxcnwcvkqp" qh" cf xcpegf" dkqtgcevqt "yej pqmi {0"QUO TG"; cu'dggp" j gcxkn ("kpxqnxgf" r tqxkf kpi "ku" yeej pkecn" gzr gtvkug" cpf" y kn" eqpvkpwg" "q" r tqxkf g" cuukurcpeg" kp" "Ku" uygo 0'

## c. National Mine Map Repository (NMMR)

QUOTG" o ckpvckpu" yj g" POOT." cwj qtk gf " wpf gt" yj g" hqto gt" WUU Dwtgcw" qh" O kpgu" cpf " uwdugs wgpvn("vtcpuhgttgf"vq"QUOTG"kp"yj g"o kf/3; : 2u0'Vj ku"tgr qukqt{."mecvgf"kp"QUOTGøu" Crrcreej kep 'Tgi kqpen' Qhhkeg 'kp ''Rkwudwti j . ''Rgppu{nxepke. ''o ekpvekpu'' y g ''qpn{ ''pevkqpen' kpxgpvqt { '' qh'o kpg'o cr u'cpf "kpenxf gu'o qtg'y cp'3: 3.222"cdcpf qpgf "eqcn'cpf "pqp/eqcn'wpf gti tqwpf "o kpgu" htqo "yi tqwi j qwi'yi g"Wpksgf "Uscvgu0" Vj gug"o cr u. "cpf "yi g"cuuqekcvgf "kphqto cvkqp. "ctg" wugf "vq" hwhkm'ewuqo gt"tgs wguwu"hqt"wpks wg"kphqto cvkqp"yj cv"ecp"tcpi g"htqo "tctg"o cr u"hqt"uo cm'r tqlgewu" vq"pcvkqpcn"eqngevkqpu"hqt"ncti g"kpvgtuvcvg"kphtcuvtvewtg"rtqlgevu"uvej "cu"j ki j "ur ggf "tckn"qt" grgevtkekv{ "tcpuo kuukqp hkpgu0"Vj g"o cr u"dtkpi "i tgcv'xcnvg"\q"cp{"r tqlgev'vj cv'f gr gpf u"qp hpqy kpi " yj g" uwduwthceg" eqpf kwlqpu" qh" yj g" gctyj " hqt" kphtcuxtwewtg" f guki p" qt" r wdrke" uchgv{" r tqlgevu0' Wpf gti tqwpf "xqkf u'tguwnkpi "htqo "r cuv'o kpkpi "j cxg" yj g'r qvgpvkcn' vq "kpf weg" uwdukf gpeg "f co ci g'vq" j qo gu. "dwukpguugu. "kphtcuvt wewstg. "cpf "vq"gpf cpi gt "wpf gti tqwpf "o kpgtu0" "POOT" ewuvqo gtu" kpenwf g" Ucvg" tgi wrcvqt {" cpf " tgerco cvkqp" uvchh" mecn' i qxgtpo gpv" ci gpekgu." f gxgmr gtu." gpi kpggtkpi "cpf "o kpkpi "eqo r cpkgu." ctej ksgevu." wpkxgtukskgu. "rcy "hkto u. "kpuwtcpeg "eqo r cpkgu." gpxktqpo gpvcn" eqpuwncpvu." r qmvkqp" eqpvtqn" dqctf u." tgcnqtu." rcy /gphqtego gpv" ci gpekgu." j kuvqtkecn'uqekgvkgu. "ftkmkpi "eqorcpkgu. "cpf" j qogqypgtu0""Vjg"POOT" cnuq"rtqxkfgu'uecppkpi" qh" o kpg"o cr u"hqt"ku"enkgpvu0'Tgegkr vu"htqo "yj g"ucrg"qh"o cr u"cpf "ej cti gu"hqt"POOT"tgugctej " ugtxkegu'ctg'o kpko cn'cpf 'uwr r qtv'yj g'r tqi tco 0""

Vj g"P O O T"eqpvkpwgu" vq"r wtuwg" vj g"ces wkukkqp." f ki kkļ kpi ."i gq/tghgtgpekpi "cpf" ctej kxkpi "qh" o kpg" o cr u"htqo "vj tqwi j qwi" yj g"Wpkxgf "Ucvgu0'F wtkpi "H "4237" y g"uki pkhecpvn{"kpetgcugf "qwt" eqmgevkqp" qh" Mgpwem{" cpf " Y guv" Xkti kpkc" o kpg" o cr " uecpu" cpf " dtqwi j v' qp" hkxg" uwo o gt" Rcvj y c{u"kpvgtpu" vq"kpetgcug" rtqf wevkqp" vq"hwm{"wkrk! g"uvcvg"qh" yj g"ctv'uecppkpi "gs wkr o gpv'cpf" eqo r ngvg" f ki kcn'tgeqtf u0'V j tqwi j "yj ku"ghqtv." yj g"P O O T"kpetgcugf "yj g"ctej kxgu" d{"5.222" pgy " f cvcdcug" gpvtkgu." i gq/tghgtgpegf "cp" cf f kxkqpcn'722" o kpgu" cpf "uecppgf" 3.472" pgy "o kpg" o cr u0' Cpqyj gt" o clqt"ghqtv'f wtkpi "H "4237" y cu" yj g"eqttgevkqp"qh'uecppgf" o kpg" o cr u'yj cv'j cf "pqv'dggp" ceewtcvgn{" i gq"mqecvgf 0'Uqhwy ctg" wr i tcf gu"cpf "eqo r wgt" gs wkr o gpv'r wtej cugu" cmqy gf "hqt" yj g" eqttgevkqp"qh''37.222" o kpg" o cr "o ku/mqecvkqpu0" P O O T"y km'eqpvkpwg" vq"gzr cpf "yj g"tgr qukvqt {øu" qprkpg"ceeguu' vq" o cr "eqmgevkqpu' kp" H "4238" cpf "42390'

## d. Electronic Permitting (e-Permitting)

QUO TG."Ucvgu"cpf "Vtklgu"y qtngf "qp"f gxgqqr kpi "xctkqwu"g/Rgto kwkpi "uqnwkqpu"hqt"y gkt "rgi ce {" eqcn" r gto kwkpi " u{uvgo u0 QUO TG" is eqmcdqtcving" y kj " yj g" O qpvcpc." F gr ctvo gpv" qh" Gpxktqpo gpvcn"S wcrkv{."vq"f gxgqqr "c"y gd/dcugf "eqcn"o kpkpi "r gto kwkpi "u{uvgo 0""Vj ku"ghqtv"y km' eqpvkpwg"kp"H[ "4238"cpf"H[ "4239."cpf "y km'cej kgxg"geqpqo kgu"qh"uecrg"hqt"equv"ucxkpi u"cpf" ko r tqxgf "ghhgevkxgpguu"qh"y g"g/Rgto kwkpi "uqnwkqpu"f gxgqqr gf 0"QUO TG"y cu"r tqxkf gf "&972.222" vq"uwr r qtv"y ku"ghqtv"kp"ku"H[ "4238"gpcevgf "dwf i gv0"

## e. Technical Innovation and Professional Services (TIPS)

Vj g"i qcri'qh"VRQU'ku"vq"r tqxkf g"Uvcvg."Vtkdcn"cpf "QUOTG"r gtuqppgri'y kij "c"eqor tgj gpukxg"ugv'qh" cpcn{ vkecn' vqqnu" vq" ckf " kp" vgej pkecn' f gekukqp/o cnkpi " tgrcvgf " vq" tgi vrcvqt { " cpf " tgencocvkqp" r tqeguugu0""Vj g"ugtxkegu"r tqxkf gf "ctg"egpvgtgf "ctqwpf "qhh/yj g/uj grh"uekgpvkhke"cpf "gpi kpggtkpi "

eqo r wgt"j ctf y ctg"cpf "uqhwy ctg"uwr r qtvgf "d{"QUO TG"kp"r ctvpgtuj kr "y ksj "vj g"Ucvgu"cpf "Vtkdgu0" Vj ku" vgej pkecn" cuukuvcpeg" j cu" i tqy p"htqo "c"hgy "crrhecvkqpu" cxckrcdrg" qp" c"ukpi rg" ur gekcm{" f guki pgf "vj ctgf "y qtmucvkqp." 'q"c"uwksg"qh"uqhwy ctg"qp"gcej "wugtøu" f gumqr "eqo r wgt0"""

VIRU" ku" c" pcklqpcn" rtqi tco " yi cv" eqpvkpwgu" vq" tgugctej " go gti kpi " vgej pqnqi kgu" cpf " yi gkt" crrnkecklqp"vq"UO ETC0"Ewttgpvn{."VIRU"cuukuvcpeg"eqpukuvu"qh"rtqxkf kpi "eqo o gtekch"uqhwy ctg" crrnkecklqpu"vq"Uvcvg."Vtkldcn"cpf "QUO TG"qhhkegu"cv"eqpukf gtcdng"equv"ucxkpi u"d{"uj ctkpi "vj g" eqo o gtekch"nkegpugu"hqt"vj g"uqhwy ctg"xkc"vj g"Kpvgtpgv"cpf "QUO TG"Y kf g"Ctgc"P gw qtn0'Vj g"52" eqo o gtekch" cxckredng" uqhwy ctg" crrnkecklqpu" eqxgt" c" y kf g" tcpi g" qh" tgi wncvqt {" cpf" CO N" uwdlgevu0" "Vj g" ewuvqo gt" dcug" eqxgtu" qxgt" 322" Uvcvg." Vtklcn' cpf "QUO TG" qhhkeg" mecklqpu" yi tqwi j qwv'yj g'eqwpvt {"o'cdqwv'4.222'wugtu0""

Vj g"VKRU"uwkg"qh"uekgpvkhe."f cvc"dcug."cpf "o crrkpi "eqtg"uqhvy ctg"ckf u"vj g"vgej plecn"f gekukqp/o cmkpi " cuuqekcvgf " y kj < \*3+" eqpf wevkpi " tgxkgy u" qh" r gto ku." \*4+" r gthqto kpi " ewo wrcvkxg" j {f tqmi ke"ko r cev'cuuguuo gpvu."\*5+"s wcpvkh{kpi "r qvgpvkcn"ghhgevu"qh"eqcn"o kpkpi ."\*6+"r tgxgpvkpi " cekf "o kpg"f tckpci g."\*7+"s wcpvkh{kpi "uwdukf gpeg"ko r cevu."\*8+"o gcuvktpi "tgxgi gvcvkqp"uweeguu."\*9+" cuukuvkpi "kp"vj g"f guki p"qh"cdcpf qpgf "o kpg"rcpf u"r tqlgevu."cpf "\*: +"r tqxkf kpi "vj g"uekgpvkhe"dcuku" hqt"gpxktqpo gpvcn"cuuguuo gpvu"cpf "gpxktqpo gpvcn"ko r cev'uvcvgo gpvu""

 $F go cpf " hqt" VIRU" vqqnu" cpf " uwr r qtv" eqpvlpwgu" vq" lpetgcug." gur gelcm{" lp" vj g" f go cpf " hqt" i gqur cvlcn"f cvc. "cpf "o qdkrg" eqo r wkpi "vqqnu" hqt" hkgrf "wug0" VIRU" eqpvlpwgu" vq" qhhgt "o qtg" vtclpkpi " vq" ceeqo o qf cvg" vj g"wug" qh'o qdkrg" eqo r wkpi "f gxkegu" d{ "lpur gevqtu0" O qdkrg" eqo r wkpi "cmqy u" lpur gevqtu" vq" dg" o qtg" ghhekgpv. "y j kej ." lp" wtp. "tckugu" vj g"s wcrkv{"cpf "s wcpvkv{" qh' lpur gevlqpu0""" }$ 

Gzco r ngu'qh''VKRU't gncvgf ''cevkxkkgu''kpenwf g<''

I gqO kpg''Rtqlgev'\* gqi tcr j ke''Kphqto cvkqp''U{uvgo +<"Kp"H| "4237."QUO TG'eqmcdqtcvgf "y kj "y g" FQK'Emwf" vgco " vq" j quv'' I gqO kpg" i gqur cvkcnl' f cvc" ugtxkegul" y tqwi j " c" ugewtg." Hgf TCO R/cr r tqxgf "xgpf qt0""Vj g"r wdrke 'tgmgcug''qh''y g''q gtcvkqpcnl'I gqO kpg'kpvgtpgv''Xkgy gt''ku''guvko cvgf "vq" ncwpej "kp"Ur tkpi "qh''42380'''Kp"H| "4238."ugxgtcnl'UO ETC"r tqi tco u"y kyj "f ki kxcnl' f cvc" y cv''ctg" õI gqO kpg/tgcf {ö''y kyj "tgur gev''vq" f cvc"hqto cvu''y km'dg"cf f gf "vq"'y g''I gqO kpg"f cvc''ugtxkegu0""Vj g" H| "4239"dwf i gv''tgs wguvu''hwpf kpi "vq"cf xcpeg"'y ku''Rtqlgev''pcvkqpy kf g0""Vj g"pcvkqpy kf g"ueqr g"qh'' I gqO kpg"y km''dg"gzr cpf gf "vq"cm''eqcn''r tqf wekpi "tgi kqpu"cpf "gzvgpf "vq"cf f kkqpcn''j ki j "xcnwg" i gqur cvkcnl'f cvcugvu0""

I KU'O qdkrg'Eqo r wkpi <"'Kp"H "4238."QUO TG'ku'r tqewtkpi "vcdrgwu''y cv'ecp"f kur rc {"cpf "eqrrgev" i gqur cvkcrl'f cvc"y j krg"cv''y g"o kpg"uksg0"'Vj g"dcug"f cvc"hqt"'y g"u {uvgo u"eqo gu"htqo "y g"I gqO kpg" cpf "Ko ci gt {"Ugtxgt"cpf "y krn''crrqy "y g"hkgrf "r gtuqppgrl"vq"f kur rc {"f cvc"crrqpi "y ky "y gkt"I RU" rqecvkqp0""F cvc"eqrrgevgf "kp"'y g"hkgrf "ku"u {pej tqpk gf "pki j vn{"vq"y g"I KU"ugtxgt"cpf "ku"o cf g" cxckrcdrg''vq"cp {qpg"kp"y g"QUO TG'pgw qtmlxkc"c'y gd"o cr 0""Vj g"tguwnu'f wtkpi "y g"H "4238'hkgrf" ugcuqp"y krn'dg"wugf "vq"uvtgco rkpg"cpf "gzr cpf gf "y g"r tqi tco "vq"o qtg"tgi kqpu."uvcvgu"cpf "vtkdgu"kp" H 42390'

CteI KU'Ko ci gt { "Ugtxgt <" "Vj g"VKRU' i tqwr "guvcdrkuj gf "c"62" Vgtcd { vg"ugtxgt "vq"f grkxgt "ucvgrrkxg" cpf "cgtkcri'ko ci gt { "f cvc"vq"QUO TGO" "Vj g"ugtxgt "qti cpk gu"f cvc"d { "ugpuqt"cpf "f cvg"vq"r tqxkf g" i gqur cvkcri' f cvc" wugtu" vj g" o quv' crrtqrtkcvg" ko ci gt { "rc {gt" hqt" cpcn {uku0' " Kp" H[ " 4238." cpf "

eqpvlpvlpi "lpvq"H[ "4239."cffklqpcn"fcvc"crrnlecvlqpu"y km"dg"fgxgmqrgf"vq"ocmg"yjg"fcvc"oqtg" ceeguuldng"hqt"pqpvtcfklqpcn"igqurcvlcn"fcvc"wugtu."uwej "cu"lpurgevqtu."lp"uwrrqtv"qh"UOETC" yqtm0'

## f. Applicant/Violator System (AVS)

 $F wt kpi "H["4237." yi g"CXU"Qhhleg"r tqeguugf "qxgt"; 87" tgs wguwu"hqt"f cw "gxcnwcvlqpu"htqo "Uwcy" cpf "Hgf gtcn'tgi wrcyt{"cwj qtkkgu"cpf "Uwcy"cdcpf qpgf "o kpg"rcpf "r tqi tco "qhhlekcnu"vq"cuukuv"kp" ur qwkpi " r gto kv" cpf " CO N/r tqlgev" grki kdkrkv{" r tqdrgo u0' QUO TG" cnxq" gpvgtgf " kpvq" 32" r c {o gpvlugwrgo gpv'ci tggo gpwu"y kyj "gpvkkgu"vt {kpi "vq"tgo gf {"wpcdcvgf "Hgf gtcn'ekxkri'r gpcnv{"cpf" tgenco cvkqp"hgg"xkqrcvkqpu"vtcengf "kp" yi g"CXU"uq" yi g{"eqwrf"dgeqo g"grki kdrg"vq"tgegkxg"pgy " r gto kwu"vq"uwthceg"o kpg0""$ 

Kp"rkpg"y kj "vj g"F gr ctvo gpvxu"kpvgpv"kp"r wtuvkpi "KV"ghhkekgpekgu."vj g"CXUxu"xktwcrk gf "f cvcdcug" wugu"Empwf "kphtcuxtwewtg"ugtxkegu"htqo "c"vj ktf/r ctv{ "eqpvtcevqt"y j q"uwr r rkgu"cm"j ctf y ctg"cpf "o ckpvgpcpeg"uwr r qtv0'Vj g"CXU"qhhkeg"y km"eqpvkpwg"vq"y qtm"y kjj "u{uvgo "wugtu"vq"kf gpvkh{"cpf" ko r rgo gpv"u{uvgo "ko r tqxgo gpvu"f wtkpi "H[ "4238"cpf "H[ "42390"Vq"gpuwtg"qwt"ewuvqo gtu"ecp" eqpvkpwg" vq" tgn{" qp" ceewtcvg" f cvc" cpf "c" uvcdrg" gpxktqpo gpv" vq" uwr r qtv" vj gkt" ghqtvu" y kjj "ko r rgo gpvcvkqp"qh"ugevkqp"732\*e+"qh"UO ETC."CXU"uvchh'y km"eqpvkpwg"vq"eqpf wev'f cvc"uwrf kgu"kp" H[ "4238"cpf "H[ "4239"vq"gpuwtg"tgi wrcvqt {"r tqi tco "uvchh'gpvgt"cpf "o ckpvckp"r gto kv"cpf "xkqrcvkqp" kphqto cvkqp"kp"yj g"u{uvgo "kp"ceeqtf cpeg"y kjj "tgi wrcvkqpu"cpf "f cvc"uvcpf ctf u0""

Vj g"CXU"Qhhkeg"uvchh'r tqxkf gu"ugtxkegu"vq"ewnqo gtu."kpenwf kpi "tgi wrcvqt {"cwj qtkkgu."vj g"eqcn" kpf wuxt {."ekkl gpu"i tqwr u."cpf "qvj gt"Hgf gtcn'ci gpekgu0"'Uqo g"qh"vj g"ugtxkegu"r tqxkf gf "kpenwf g<" vgej pkecn'cuukuvcpeg"kp"kpvgtr tgvkpi "f cvc"tgvtkgxgf "htqo "vj g"CXU!"wr f cvkpi "kphqto cvkqp"kp"vj g" CXU"hqt"eqcn'dwukpguugu"vj cv'o kpg"kp"o qtg"vj cp"qpg"Uvcvg="r tqxkf kpi "u{uvgo "vtckpkpi "vq"wugtu=" cpf"r tqxkf kpi "kpxguvki cvkxg" cuukuvcpeg" vq" tgi wrcvqt {"cwj qtkvkgu" qp" eqo r rgz" qy pgtuj kr "cpf" eqpvtqn'kuuvgu0'

Ewrqo gt"uwtxg{u"ctg"wugf "vq"f qewo gpv" yj g"tgur qpukxgpguu"qh"CXU"ugtxkegu"r tqxkf gf "vq"kw" ewrqo gtu0"F wtkpi "H[ "4237."yj g"CXU"Qhhleg"tgegkxgf "c"ewrqo gt"ucvkuhcevkqp"tcvkpi "qh";:' "y kyj "c"tgwtpgf "uwtxg{"tcvg"qh"93' 0""QUOTG"cwtkdwgu"yj g"j ki j "ewrqo gt"ugtxkeg"tcvkpi "vq"c" uj ctgf "eqpxkevkqp"d{"cm'yj g"uvchh'yj cv'tgur qpf kpi "vq"ewrqo gtuø'pggf u"kp"c"vko gn{"o cppgt"ku"yj g" CXU"qhhlegøu'r tko ct{"dwukpguu0'

;5"

## 2. Technical Training

Vgej plecn''Vtclplpi "r tqxkf gu''QUO TG. "Ucvg. "cpf "Vtklcn'uvchh'vj g''pgeguuct { "kphqto cvkqp"cpf "umkmu" vq"ko r ngo gpv''vj g''uwthceg''o kpkpi "tgemo cvkqp"cpf "gphqtego gpv''r tqi tco 0'''Vj g''xctkqwu"vtckpkpi "r tqi tco "eqo r qpgpw''ctg''gzr mkpgf 'dgmy 0'

## a. National Technical Training Program

QUO TG"guvcdrkuj gf "vj g"P cvkqpcri"Vgej plecri"Vtckpkpi "Rtqi tco "\*P VVR+"kp"3; : 7."tgeqi pk kpi "vj g" pggf " hqt" cp" qpi qkpi " gf wecvkqpcri" rtqi tco " vq" kpetgcug" vj g" vgej plecri" eqo r gvgpeg" cpf " rtqhguukqpcrkuo "qh"Hgf gtcn"Ucvg."cpf "Vtkdcri'r gtuqppgr0""Vj g"rtqi tco "f grkxgtu"vtckpkpi "tgrcvgf "vq" r gto kv"crrtqxcn"dqpf "tgrgcug."tgerco cvkqp."cpf "gphqtego gpv0""Vj g"vtckpkpi "ugtxgu"vq"dvkrf "cpf" wr f cvg"vgej plecri'gzr gtvkug"cpf "hquvgtu"eqpukrvgpv'crrrlecvkqp"qh"uvcpf ctf u0"Vtckpkpi "ku"r tqxkf gf "kp" gcej " qh" vj g" f kuckrrhpgu" kpxqrxgf " kp" ko r rgo gpvcvkqp" qh" UO ETC." y j kej " kperxxf g" ej go kuxt { ." i gqrqi { ."gpi kpggtkpi ."j { f tqrqi { ."drcuvkpi ."ci tqpqo { ."cpf "dqvcp{0"

Cm' cur gevu" qh'' yi g" r tqi tco "htqo "kf gpvkhecvkqp" qh'' pggf u" yi tqwi j "eqwtug" f gxgrqr o gpv' cpf "r tgugpvcvkqp"ctg"eqqr gtcvkxg"ghhqtw"qh''Ucvg."Vtkdcn"cpf "QUO TG"qhhkegu0'Qh"yi g"4: "Ucvg"cpf "Vtkdcn' r tqi tco u." 42" j cxg" hgy gt" yi cp" 72" go r rq {ggu" cpf "cpqyi gt" 6" j cxg" hgy gt" yi cp" 322" go r rq {ggu0"Vj gtg"ku''cp"geqpqo {"qh''uecrg''cej kgxgf "d{"yi g"r qqrkpi "qh''Ucvg''cpf 'Hgf gtcrl'tguqwtegu" yi cv'crqy u"kpuxtwevkqp"kp"c"y kf g"xctkgv{"qh''uwdlgew''gcej "{gct"hqt"cm''Ucvg."Vtkdcn"cpf "QUO TG" r tqi tco u0'

Hamy kpi "ctg"c"hgy "eqo o gpwitgegkxgf "ap"uwf gpv"gxcnwcwlapu"htqo "go r m{ggu"cpf "uwr gtxkuqtu0"

Vj ku'eqwtug'y cu'gzegngpv#K'rgctpgf "c"i tgcv'f gcn'cdqw'j ki j y cm'tgo gf kcvkqp"cpf "j cxg" kf gcu'vq"vcng"vq"r tqlgew'pqy 66"CO N'F guki p"Y qtmıj qr <'F cpi gtqwu'J ki j y cmı'''
\*Go r m{gg+"

õVj g'eqwtug'r tqxkf gu''y g'uvchh'y ky "o qtg"qr vkqpu'hqt'uvcdkrk kpi 'repf urkf gu'epf 'y km' rkngn( 'rgef ''vq'envgtpevkxg''epf ''equv'ucxkpi ''f guki pu''kp''y g'hwwtg0ò''CO N'F guki p''
Y qtmuj qr ≺'Nepf urkf gu''∜Uwr gtxkuqt+"

õVj g"eqwtug"r tqxkf gf "uwxf gpvu"y kij "kphqto cvkqp" ij cv"ku"f kt gevn("cr r nkecdng" vq" ij gkt "lqdu" dgecwug" ij gkt "f wkgu "kpenwf g"ecnewrcvkqp" qh" tgenco cvkqp" equv" guvko cvgulo "Dqpf kpi < Equv" Guvko cvkqp" «Uvr gtxkuqt+"

Meeting Office Specific Needs of Mining and Reclamation Staff through Special Sessions: Kp" of f kklqp" vq" tgi wrotn{" uej gf wrgf " H[ " 4237" eqwtugu." P VVR" r tgugpvgf " c" ur gekon! Uqkru" cpf " Tgxgi gvovlqp"uguukqp"kp" jg "Eco dtko"F kurtlev! Qhhleg"kp"Rgppu{nxcpko0'Ukzvggp"uwwf gpvu" cwgpf gf " vj ku"ur gekon!uguukqp0'Kp"H[ "4238"QUO TG" y km!qhhgt" vj g"hqmyy kpi "ur gekon!uguukqpu

Rtqegf wtgu"kp"Ucn/'Ncng"Ekv{."Wcj "Rcuukxg"Vtgcvo gpv'kp"Dki "Uvqpg"I cr."Xkti kpkc="cpf" w q" Eqcrhkgrf 'Eqo o wpkecvkqp'uguukqpu."kp'Cpej qtci g.'Crcurc."cpf 'Ej ctrguvqp."Y guv'Xkti kpkc0'

Course Enhancements<" "Tgxkıkqpu" y gtg" o cfg" vq" y g" Koutwevqt" Vtckplpi "Eqwtug" vq" r tqxkfg" yi qug" cwgpf kpi "y kyj" r tcevkecn' j cpf u" qp" cr r nkecvkqp" qh" qprkpg" eqwtug" f guki p." f gxgrqr o gpv0' Rctvkekrcpvu" r tcevkeg" xkxcn' umkmu" cpf" vgej pks wgu" pggf gf" vq" hwpevkqp" cu" ewttgpv' cpf" hwwtg" P VVRIVKRU'vgej pkecn'vtckpkpi "kpuntwevqtu0'Vj g"eqwtug"ewno kpcvgu"y kyj "cwgpf gguø'r tgugpvcvkqp"qh" c"42/o kpwg"vtckpkpi "rguuqp0'

Plans for FY 2016 and 2017: P VVR"tgegkxgf "3.97: "tgs wguwu"hqt"ur cegu"kp"H[ "4238."cpf" cpwlekr cvgu"kv'y km'tgegkxg"cf f kwlqpcn'tgs wguwu"hqt"ur gekcn'uguukqpu"f wtkpi "vj g"{gct0"Vq"nggr "vtcxgn' equwu"f qy p"cpf "vq"r tqxkf g" vj g"o czko wo "gzr gtkgpeg"qh''hkgnf "eqpf kwlqpu"o quv'rkng" vj qug" vj cv' uwwf gpwu"y qtm'kp. "eqwtugu"y km'dg"uej gf wrgf "cu"emqug"vq"j qo g"qhhkegu"cu"r quukdrg0""Kp"H[ "4237." eqwtugu"y gtg"j grf "kp"39"mqecvkqpu"kp"9"uvcvgu0""

Annual Program Planning to Identify Training Needs: Gcej "Urtkpi "QUOTG" eqpf wew"c" Vtckpkpi "P ggf u'Uvtxg{ "hqt"yi g"wr eqo kpi "hluech"{gct "\q"f gygto kpg"yi g"tckpkpi "pggf u'qh'yi g"cm qw" 4.222 "Uvcy"cpf "Vtkdcn'tgi wrcyqt {" cpf "tgerro cykqp" uvchh "cu"y gm'cu"qxgt "622 "QUOTG" tgi wrcyqt {" cpf "tgerro cykqp" uvchh" uvtxg{ "tguwwu" vq" f gygto kpg" kh" yi gtg" ku" uwhkekppv"kpytguv"vq"lwukh{"c"eqwtug."cpf "kh"uq."j qy "o cp{ "uguukqpu"qh"yi g"eqwtug"ctg"pggf gf 0" Uwf gpwu"ctg"cuuki pgf "vq"ercuugu"yi cv"ctg"erquguv"vq"yi gkt "qhhkeg"vq"o kpko kţ g"vtcxgri'equvu"cpf "vq" r tqxkf g"uwf gpwu"y kyi "hkgrf "gzr gtkgpeg"o quv'uko krct "vq"yi gkt "i gqi tcr j ke"y qtmkpi "eqpf kkqpu0""Vj g" pwo dgt "qh"tgs wguvu"hqt"eqwtugu"wwcm{ "gzeggf u"yi g"pwo dgt "yi cv"P VVR"ecp"qhhgt0'Uwf gpwu"yi q" ctg"pqv'cuuki pgf "vq"ercuugu"ctg"r w'qp"c"y ckkpi "hknv"Vj qug"qp'yi g'y ckkpi "hknv'ctg"pqkhkgf "52"f c {u" r tkqt "vq"ercuu"kh'ur ceg"dgeqo gu"cxckrcdrg0"Vq"cf f tguu"ej cpi kpi "qp/yi g/i tqwpf "pggf u."P VVR"uvchh" eqpykpwgu"vq"y qtm'y kyi "qhhkegu"vq"o ggv'uwdlgev'ur gekhke"pggf u"yi cv'ctkug"uwdugs wgpv'vq"yi g"P ggf u" Uvtxg{0"Vq"cuuwtg"yi cv'uwf gpwu"ctg"tgegkxkpi "yi g"rcvguv'vgej pkecn'cpf "r tqi tco o cvke "kphqto cvkqp." P VVR"eqpykpwcm{"tgxkgy u"eqwtugu"dcugf "qp"uwf gpv."uwr gtxkuqt."cpf "kputwevqt"hggf dcem"cpf "tgxkugu"qt"cff "eqwtugu"ceeqtf kpi n("p"eqpuwncvkqp"y kyi "yi g"P VVR"Uvgtkpi "Eqo o kwgg0'

Course Revisions: "H[ "4238"cpf "4239"Eqwtug"tgxkukqpu"ctg"r ncppgf "hqt"Cr r rkgf "Gpi kpggtkpi " Rtkpekr ngu." Gxkf gpeg" Rtgr ctc.kqp" cpf " Vgej pqmi {." UO ETC="Rgto kwkpi " cpf " yj g" Gpf cpi gtgf " Ur gekgu" Cev-" Koʻr ngo gpvc.kqp" qh" yj g" 3; ; 8" Dkqmi kecn" Qr kpkqp." Uqknu" cpf " Tgxgi gvc.kqp." Uwdukf gpeg" Wpf gti tqwpf " O kpkpi " Vgej pqmi {." Y gwc.pf u" Cy ctgpguu." cpf " Qtkgpvc.kqp" hqt" QUO TG'Goʻr mq{ggu0'

On Line Program Planning:""H[ "4238"cpf "4239"r ncpplpi "kpenwf gu"f gxgnqr o gpv"hqt"qp/nkpg" eqo r qpgpvu" qh" vj g" Uwdukf gpeg." Wpf gti tqwpf "O kpkpi "Vgej pqmi {" cpf " Y gwcpf " Cy ctgpguu" eqwtugu"cu"crrtqrtkcvg."cpf "cnuq"c"Dcuke"O kpkpi "Tgncvgf "Ej go kuxt {"eqwtug"vq"ugtxg"cu"c"rtg/tgs wkukg"vq"vj g'Cekf/Hqto kpi 'O cvgtkcnu'eqwtugu0"

## b. TIPS Software Application Training

Vj g"vqqnı" yi cv"VIRU"r tqxkf gu"vq"Uvcvg. "Vtkdcn"cpf "Hgf gtcn"qhhkegu"gpuwtg" yi cv"cm"ci gpekgu"y ky "
UO ETC" tgur qpukdkrkkgu"ctg"wukpi "yi g"uco g"cf xcpegf "uqhvy ctg"cpf "j ctf y ctg"vqqnı "vq"eqpf wev'yi g"
dwukpguu"tgs wktgf "d{"yi g"Cev0""VIRU"qhhgtu"o qtg"yi cp"lwuv'uqhvy ctg"cpf "j ctf y ctg="yi g"r tqi tco"

 $cnq"r tqxkf gu"ur gekcnk gf" vtckpkpi "vq" wug" yi gug"vqqnu"kp" o kpkpi "cpf"tgemo cvkqp0' Vj g" VKRU" Vtckpkpi "Rtqi tco "ku"c" eqmodqtcvkxg" ghqtv" co qpi "QUO TG." Ucvgu." cpf "Vtkdgu0' "Eqwtug" f gxgmr gtu"cpf "kpuvt wevqtu"ctg"tgemo cvkqp"gzr gt vu"y j q"wug"VKRU"uqhvy ctg"vq"uqnxg"c"y kf g/tcpi g" qh"eqo r ngz "r gto kwkpi ."gphqtego gpv"cpf "cdcpf qpgf "o kpg"mpf "r tqdngo u0' "Cnnj qwi j "o quv"qh" VKRU"vqqnu"ctg"qhh'y g/uj grh"cr r necvkqpu. "VKRU"vtckpkpi "ku"vcknqtgf "gzenwukxgn{"vq"o kpkpi "cpf" tgemo cvkqp"wugu0' VKRU"eqwtugu"ctg"f grkxgtgf "qp/ukxg"cv"yi g"ewuvqo gtøu"tgs wguv."cpf "kp"vtckpkpi "egpvgtu"necvgf "kp"QUO TGøu'Tgi kqpcn'Qhhkegu<"F gpxgt."Eqmtcf q="Cnqp."Knkpqku="cpf "Rkwudwti j ." Rgppu{nxcpkc0"$ 

Kp"H[ "4237."vj g"VKRU"vtclpkpi "r tqi tco "tgegkxgf "c"ewuqo gt"ucvkuhcevlqp"tcvkpi "qh"; : "r gtegpv." gzeggf kpi "vj g"cppwch"I RTC"i qcn'd { "7" r gtegpv0""Vy gpv{/hqwt "kpuvtwevqt/rgf "encuugu"y gtg"j grf "kp" H[ "4237"y kpj "536"uwf gpwu"eqo r rgvkpi "encuu'uguukqpu0""Cf f kkqpcm{."63"uwf gpwu"cwgpf gf "qprkpg" vtckpkpi "eqwtugu"ur qpuqtgf "d { "VKRU."dtkpi kpi "vj g"H[ "4237"vqvcn'vq"577"uwf gpw0""Hqwt"qh'vj g"46" vtckpkpi "encuugu"y gtg"hcekrkcvgf "õqp/ukgö"cv' mecvkqpu" vq"o ggv' vj g"ur gekhle" vtckpkpi "pggf u"qh" r ctvkewrt "qhhlegu"qt"i tqwr u"qh'uwf gpwu"vj tqwi j qw'vj g"UO ETC"eqo o wpkx{0"Kp"H[ "4238."VKRU" r ncpu"vq"j qrf "42"kpuvtwevqt/rgf "encuugu"\*vj tgg"j grf "qp/uksg"kp"Mgpwem{ "cpf "Y guv'Xkti kpkc+"cpf" ukz "qp/rkpg"vtckpkpi "eqwtugu0""Vj g"H[ "4239"eqwtug"uej gf wrg"y km'dg"f gvgto kpgf "d { "vj g"tguwnwu"qh" vj g"lqkpv'P VVR/VKRU'\tckpkpi "pggf u'uwtxg{0'

Y j krg"o cp{"VkRU"eqwtugu"ctg"hcekkcvgf "d{"cp"kputwevqt"kp"c"vtcf kkqpcn"ercuutqqo ."yj g"VkRU" Vtckpkpi "Rtqi tco "eqpvkpwgu"vq"cevkxgn{"gzr cpf "qprkpg"qr r qtwpkkgu"cpf "r tqxkf g"õlwuvkp/vko gö" vtckpkpi "tguqwtegu"hqt"qwt"ewuvqo gtu0"'Qxgt"322"qprkpg"eqwtugu"ctg"cxckrcdrg"'yj tqwi j "yj g"VkRU" Xktwcn"Eco r wu"cpf "GUTK"y j kej "ku" yj g"y qtrf "rgcf gt"kp"I kU"o qf grkpi "cpf "o cr r kpi 0""VkRU" wkrk gu" ku" Xktwcn"Eco r wu." etgcvgf " kp" 4232" cpf " eqpvkpwgu" vq" gf wecvg" qwt" kputwevqtu" qp" vgej pks wgu"vq"vgcej "kp"c"xktwcn"gpxktqpo gpv0""F wtkpi "H[ "4237."hqwt"VkRU"qprkpg"ercuugu"y gtg" qhtgtgf ."kpenwf kpi "qpg'pgy "qprkpg"ercuu."CO F VtgcvO kpg'F tckpci g'Equv'Ecrewrcvkqp"Qprkpg0""Uz" qp/rkpg"eqwtugu"y kri'dg"j grf "kp"42380""F gxgrqr o gpv'qh"cf f kkqpcn"qprkpg"eqwtug"eqpvgpv'kp"H[ " 4239'y kri'dg"c'eqmcdqtcvkxg"ghqtv'y kyj "yj g"P VVRO'

## c. Regional/Site Specific Training

QUO TG'tgi kqpu''cnıq''eqpf wev''eqwtugu''cpf "y qtmıj qr u''cv''QUO TG."Uvcy''cpf "Vtkdcn''mecvkqpu''vq'' cfftguu''ur gekhle "pggfu0"'Vj g''QUO TG''tgi kqpu''r tqxkf g''ur gekhle."qp/vj g/lqd''vtckpkpi "qp''vqr keu''uwej "cu-'či gqi tcr j ke''kphqto cvkqp''u{ uvgo u. 'dncuvkpi "egtvkhlecvg''wr f cvg''vtckpkpi .'i tcpvu''o cpci go gpv."j qy "vq''r tgr ctg''cpf kqt''r tqeguu''uvcvg''r tqi tco "co gpf o gpvu."cpf "eqpf wevkpi "CO N''r tqlgev'f guki p0"'Y g'' r tqxkf g''vj gug''encuugu''qp''uj qtv'pqvkeg''\*wuwcm{'3'vq'5''o qpvj u+''cpf "vckqt''vj go "vq''vj g''ur gekhle "pggfu'' qh'' vj g'' cvxf kgpeg0' "Encuugu'' cmqy "Uvcvg." Vtkdcn'' cpf "QUO TG'' o cpci gtu'' vq'' tcr kf n{"tgur qpf "vq'' ej cpi kpi "vgej pqqqi {"cpf "y qtnhqteg0''QUO TG''r ncpu''vq''eqpvkpwg''r tqxkf kpi "vj ku''tgi kqp''cpf "uvcvg'' ur gekhle''tckpkpi "kp''4238''cpf "42390'

## 3. Technology Transfer

Vgej pqrqi {"Vtcpuhgt"ku"cp"kpvgi tcri'eqo r qpgpv'qh"QUO TGøu"Tguvqtcvkqp"cpf "Rtqvgevkqp"dwukpguu" rkpgu" r tqxkf kpi " pcvkqpcri' uwr r qtv'' vq" Ucvg" cpf " Vtkdcri' r tqi tco u0' Vgej pqrqi {" Vtcpuhgt" ku" ceeqo r nkuj gf "vj tqwi j "c"xctkgv{ "qh"cevkxkkgu0" Ucvg"vgej pkecri'tgr tgugpvcvkxgu"o ggv'htgs wgpvn{"y ky " QUO TG"tgi kqpcri'uvchh" vq" uj ctg" tguqwtegu" y j gpgxgt" r tcevkecdrg" vq" tguqrxg" tgi kqpcri' vgej pkecri'

knuwgu0"''QUOTG"'ur qpuqtu"qt"r ctvkekr cvgu"kp"kpvgtcevkxg"vgej pkecn'hqtwo u."eqor wgt"cr r necvkqpu" y qtmıj qr u."cpf "vgej pkecn'ugo kpctu"vq"cf f tguu"o kpkpi "cpf "tgencocvkqp"gpxktqpogpvcn'knuwgu0" QUOTG'r ctvpgtu'y kyj "vj g"Uvcvgu."Vtkdgu'cpf "kpf wwt{"vq"f gxgmqr "vgej pqmi {"vtcpuhgt"r tkqtkkkgu0""

Vj g"QUO TG"pcvkqpcn"cpf "tgi kqpcn"vgej pqmi {"vtcpuhgt"vgco u"gxcnxcvg"kpkkcvkxgu"vq"gpeqwtci g" pgwy qtmkpi "cpf "kphqto cvkqp"uj ctkpi "vj cv"y km"tguwn/"kp"rtqi tco "ko rtqxgo gpv"qt"gpj cpego gpv0' QUO TGxu"Vgej pqmi {"Vtcpuhgt"cevkxkkgu"dtkpi "c"pgy "crrtqcej "vq"pcvkqpy kf g"eqqr gtcvkqp"cpf" ewuvqo gt"ugtxkeg0'Vj g{"gpeqwtci g"vj g"vko gn{"cpf "ghhkekgpv"wug"qh"qwt"pcwtcn"tguqwtegu"y j krg" rtqygevkpi "vj g"gpxktqpo gpv0""

## a. Technology Development

Qpg"qh"QUO TGøu"o quv"ko r qtvcpv"o kuukqpu"ku" q"cf xcpeg"cpf "vtcpuhgt" yej pqrqi kgu" yi cv"y kni' ko r tqxg"yi g"ghhgevkxgpguu"cpf "ghhkekgpe{"qh"yi g"uekgpeg"qh"o kpg"rcpf "tgerco cvkqp0"'Cf xcpego gpv" qh"yi ku"yej pqrqi {"y kri'tguwny"kp"dgwgt"o kpkpi "cpf "tgerco cvkqp"rtcevkegu."cpf "r tqxkf g"hqt"dgwgt" uekgpeg/dcugf "f gekukqp/o crkpi 0""QUO TG"ku"r tqr qukpi "&300"o krkqp"kp"ku"H[ "4239"dwf i gv"vq" cf xcpeg" yej pqrqi kgu" cpf "r tcevkegu" ur gekhke" vq" eqcrl' o kpg" uksgu" hqt" o qtg" eqo r tgj gpukxg" gequ{uvgo "tguvqtcvkqp."kpenwf kpi "tghqtguvcvkqp"cpf "tgerco cvkqp"wukpi "pcvkxg"xgi gvcvkqp"cpf "r rcpv" j cdkxcv0""""Vj g"uvcwu"qh"ewttgpv"tghqtguvcvkqp"ghhqtvu"ku"f guetkdgf "dgrqy 0""Gzco r rgu"qh"uwf kgu" hwpf gf "kp"r tkqt"{gctu'yi cv'ctg"ewttgpvn{"r gpf kpi ."qt"y gtg"eqo r rgvgf "kp"H[ "4237."ctg"eqpvckpgf "cv' yi g"gpf "qh'yi ku"Ugevkqp0"""

## b. Technology Transfer and Publications

Vgej pqmi {"Vtcpuhgt" ku" ceeqo r nkuj gf " yj tqwi j " c" xctkgv{" qh" cevkxkkgu" kpenwf kpi <" eqpf wevkpi " y qtmuj qr u"cpf " yej pkecn" hqtwo u="r wdnkecvkqp" qh" y qtmuj qr " cpf " hqtwo " r tqeggf kpi u." j cpf dqqmu." cpf " qvj gt" o cvgtkcn=" o ckpvgpcpeg" qh" vj g" QUO TG" yej pkecn" nkdtct { " cpf " xctkqwu" kphqto cvkqp" y gduksgu0" Gzco r ngu" qh" cevkxkklgu" kpenwf g<"

Tghtguckqp>"Vj g"QUO TG"eqpkpwgu"ku"ghhqtv"vq"gpeqwtci g"rtqr gt"tghtguckqp"rtcekegu"vq"kpetgcug"y g"co qwpv'qh"o kpgf "mpf "tgemko gf "cu"j gcny {."rtqf wekxg"hqtguwd"Vj g"tghtguvckqp"kpkkckxg"ghhqtv"j cu"tguwngf "kp."pqv'qpn( "kpetgcugf "wug"qh"y g"Hqtguwt {"Tgemco cklqp"Crrtqcej "HTC+"dw"cnq"vgej pkech'cpf "rqhe {"u{o rqukc"cpf "c"tghtguvckqp"y gduksg"vq"gzrmkp"y g'o gyi qf u" cpf "dgpghku"qh"tghtguvckqp0""Vj g"Crrcmej kp"Tgi kqpcn!Tghtguvckqp"Kpkkckxg"\*CTTK"vgco "o go dgtu"i kxg"rtgugvckqppu"cv"rtqhguukqpcn!o ggvkpi u."cpf "y g"55/o go dgt"Uekgpeg"Vgco "%o cf g" wr "qh" wpkxgtukx{" tgugctej gtu" htqo "cetquu" yj g" eqwpxt{"cpf "o go dgtu" qh" yj g" Co gtkecp" Dktf" Eqpugtxcpe{."Vj g"Co gtkecp"Ej guvpw"Hqwpf ckqp."yj g"WUU'I gqmi kecn!Uwtxg{."cpf "yj g"WUU'Hqtguv'Ugtxkeg+"rwdrkuj "dwrgykpu"qp"uvcy/qh/yj g/ctv"tghqtguvckqp"rtcekegu0"Kp"Lwpg"4237."CTTK dtqwi j v" vqi gyj gt" rcpf qy pgtu." kpf wuxt{" tgr tgugpvcykxgu." gpxktqpo gpvcn! i tqwr u." tgugctej gtu." tgi wrcyt{"rgtuqppgn"cpf "ekkl gpu"i tqwr u"vq"yj g"Iqkpv"Eqphgtgpeg"qh"CTTKcpf "yj g"Co gtkecp"Uqekgv{"qh!'O kpkpi "cpf "Tgerco cklqp0" Vj g"yj go g"qh!'yj g"pkpj "cppwcn!'o ggvkpi "qh"CTTK'y cu" \$Tgerco cklqp"Qrrqtwpkkgu"hqt"c"Uwwckpcdrg"Hwwtg0\$""Kp"H| "4237."CTTKr ctypgtu"qti cpk|gf" qxgt"3.; 22"xqnwpvggtu"vq"r rcpv"crrtqzko cvgn{"422.222"vtggu"qp"584"cetgu"qh"rquv'dqpf "tgrgcug" o kpg"uksgu"cetquu"Crrcmej ko!"Vj g"xqnwpvggtu"rgctpgf "cdqw/r rcpvkpi "vtggu"wukpi "HTC"cpf "yj g"

r qukkxg"gpxktqpo gpvcn'cpf "geqpqo ke"ko r cevu"qh''hqtguvu''kp" yi gkt "uvcvg0"''Vj ku''ngxgn'qh''r ncpvkpi "ku" cpvkekr cvgf "vq'o ckpvckp"cpf "kpetgcug''f vtkpi "H[ '4237''cpf ''H[ '42380'

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- QUOTG" Crrccej kcp" Tgi kqpcn' gpi kpggtu" cfxkugf" cpf" rctvkekrcvgf" y kyj "
  Rgppu{nxcpkc" F grctvo gpv' qh" Gpxktqpo gpvcn' Rtqvgevkqp" \*RCFGR+" dncuvkpi "
  ur gekchkuvu"qp"tgo gf kcvkqp"qh"ugkuo ke"gzr mukxg"ej cti gu"gttqpgqwun{"rncegf"y kyj kp"
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- Kp"Hgdtwct {"4237."QUO TG"rtgugpvgf "cv"vj g"Uqekgv{"hqt"O kpkpi ."O gvcmwti {."cpf "Gzrmtcvkqp"eqphgtgpeg"kp"Ucp"F kgi q."Ecnkhqtpkc0""Vj ku"rtgugpvcvkqp"tgrqtvgf "vj g" hkpf kpi u"qh"ko rqtvcpv'qpi qkpi "uwvf kgu"d{"QUO TG"tgi ctf kpi "vj g"rqvgpvkcn"hqt"unwtt {"ko rqwpf o gpv" dtgcmj tqwi j "kpvq" wpf gti tqwpf "o kpgu" cu" rtgugpvgf "kp" c" rcr gt." Rtgxgpvkpi "Eqcn"Y cuvg" Ko rqwpf o gpv" Dtgcmj tqwi j u"kpvq" Wpf gti tqwpf "O kpgu<" J qy "Y gnt"Ctg"Y g"Fqkpi A." O kej cgn" gv" cn" "Vj tqwi j "vj gug" uwvf kgu." pwo gtqwu" ko rtqxgo gpwu" vq" vj g" rtqeguu" qh" kf gpvkh{kpi "dtgcmj tqwi j "rqvgpvkcn" j cxg" dggp" kf gpvkhkgf ."cpf "kpeqtrqtcvgf "kpvq"vj g"r gto kv'cr rhecvkqp"gxcnwcvkqp"rtqegf wtgu0'</p>

Tgr qt vu." Hqt wo u" cpf " Y qt muj qr " Rt qeggf kpi u<" " QUO TG" r wdrkuj gu" cpf " eq/ur qpuqt u" vj g" r wdrkec kqp "qh"r tqeggf kpi u"htqo "pwo gtqwu"hqt wo u"cpf "y qt muj qr u"cpf "xct kqwu"vqr kecn't gr qt vu0"

;:"

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QUO TG" Vgej plecn" Nkdtct { "'" QUO TG" o ckpvckpu" c"P cvkqpcn" Vgej plecn" Nkdtct { "kp" ku" F gpxgt." Eqnqtcf q. "qhhleg0" Vj g"Nkdtct { "r tqxkf gu" ceeguu" vq" vgej plecn" uekgpvkhle. "cpf "rgi cn' kphqto cvkqp" hqt" y g"dwtgcw "cu' y gm'cu' y g"Ucvgu. "Vtkdgu. "kpf wurt { ."ekkl gp" i tqwr u. "cpf "y g'r wdrke" y tqwi j "c" xctkgv { "qh" ugtxkegu" kpenwf kpi < tghgtgpeg" cuukuvcpeg. "vgej plecn" tgugctej . "f qewo gpv" f grkxgt { ." cpf "y g" f kuugo kpcvkqp" qh'etkkecn'ewttgpv'cy ctgpguu' kphqto cvkqp0"

F wtkpi "Hį "4237."yj g"Nkdtct {"hkgrf gf "qxgt"422"tgs wguwu"hqt"tghgtgpeg"cpf "tgugctej "cuukuvcpeg." kpvgtrkdtct {"mcp"tgs wguwu."cpf "f qewo gpv'tgs wguwu0'Kp"qtf gt"vq"r tqxkf g"y qtrf y kf g"ceeguu"vq"yj g" ur gekcrkţ gf "kphqto cvkqp" tguqwtegu" kp" yj g" eqmgevkqp." yj g" Nkdtct {"o ckpvckpu" c" y gd/ceeguukdrg" dkdrkqi tcr j ke"ecvcmqi "qh"o cvgtkcmu."cu"y gm"cu"j quvkpi "vgej pkecri'f qewo gpvu"cpf "QUO TG"Hgf gtcri' Tgi kuvgt"pqvkegu0'Vj ku"cmqy u"vj qug"o cvgtkcmu"vq"dg"o cf g"f ktgevn{"cxckrcdrg"xkc"yj g"Kpvgtpgv"vq" kpvgtguvgf "r gtuqpu0'"Vj g"Nkdtct {"r tqf wegf "c"uj qtv"\*7/9"o kpvwg+"xkf gq" vq"ces wckpv"pgy "uvchh" o go dgtu"y kyj "tguqwtegu"cxckrcdrg" vq" yj go "yj tqwi j "yj g"Nkdtct {0'"Vj g"Nkdtct {"eqpvkpvgu"ku" o go dgtuj kr "kp"yj g"F QKEqwpekri'qh"Nkdtctkgu."cpf "mqmm"hqty ctf "vq"eqmcdqtcvkqp"ghhqtvu"y kyj "qyj gt"F QKrkdtctkgu"kp"r tqxkf kpi "tguqwtegu"cpf "kphqto cvkqp"cetquu"yj g"F gr ctvo gpv"kp"H[ "4238" cpf "dg{qpf 0'

## c. Educational Outreach and Partnerships

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Wpksgtuk/ "Rctypgtuj kru/" O kpqtk/ "J ki j gt "Gf weckqp" Rtqi tco <" "QUO TG" y qtmi "q" dwkf "o wwcm ("dgpghlekcn" r ctypgtuj kru" y kj "o kpqtk/ "ugtxkpi "eqngi gu" cpf "wpksgtukkgu" wpf gt "y g" QUO TG" O kpqtk/ "J ki j gt "Gf weckqp" Rtqi tco "\*O J GR+0" "QUO TG" r tqxkf gu" i wkf cpeg" cpf "f ktgekqp" qp" yi gug" r tqlgewi "q" gpuwtg" yi cv' yi g" kpygpf gf "tguwnu" ctg" cej kgxgf 0" "QUO TG" cnq" eqncdqtcygu" y kyj "qwt" O J GR" r ctypgtu "qp" vtckpkpi "cpf "gf weckqp" r tqi tco u0" "Kp" Hj "4236. "QUO TG" cpf "Dgxkn' Uccyg" Eqo o wpk/ "Eqngi g" ur qpuqtgf" c" o kpg" uko wrckqp" 'qwt "hqt "kpygtguygf" uwf gpwi "cwgpf kpi "yi g"4; yi "cppwcn" O kpqtkkgu" kp" Ci tkewnwtg." P cwtcn' Tguqwtegu" cpf "Tgrcygf" Uekgpegu" \*O CP TTU+" Eqphgtgpeg" j gnf "kp" Dkto kpi j co . "CNO" Vj qug" uwf gpwi" ctykekr cvkpi "kp" yi g" qwt" cpf "gzgtekugu" y gtg" cdng" yo o gtug' yi go ugrxgu "kp" tgcn' hktg" o kpkpi "uegpctkquO"

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QUO T G" vq" wug" cv' hwwtg" uekgpeg" hcktu. "P cvkxg" eqo o wpkx{"qwtgcej ."cpf" vgej pqrqi {"vtcpuhgt"
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yi gkt"lqkpv'ghhqtwl"vq"gpi ci g" {qwyi "kp"yi g"qwxf qqtu"cpf "kpetgcug" {qwyi "qr r qtwxpkkgu"hqt"hwwtg"
go r rq{o gpv0'

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#### TECHNOLOGY DEVELOPMENT AND TRANSFER

## 2016 PLANNED PROGRAM PERFORMANCE

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- Eqpvkpwg"y qtnkpi "y ky "Cf co u"Ucvg"Wpkxgtukv{"vq"uwrrqtv"i qxgtpo gpv"cpf "cecf go kc"cu yi g{"eqpvtkdwg"yi gkt"lqkpv"ghqtuu"vq"gpi ci g"{qwj "kp"yi g"qwfqqtu"cpf "kpetgcug"{qwj qrrqtwpkkgu"hqt"hwwtg"go rm{o gpv0}
- Cej kgxg" yj g" i qcnu" hqt" r gthqto cpeg" o gcuwtgu" kf gpvkhkgf " wpf gt" yj ku" dwukpguu" nkpg" cpf gpi ci g"{qwj "d{"r tqxkf kpi "gf wecvkqpcn'cpf "go r m{o gpv'qr r qtwpkkkgu'vq"{qwpi "cf wmu'kp vgej pkecn'hkgnf u'cuuqekcvgf 'y kyj 'uwthceg'eqcn'o kpkpi 'tgi wrcvkqp"cpf 'tgerco cvkqp0

## 2015 PROGRAM ACCOMPLISHMENTS

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- Uqrleksgf "c"Tgs wguv'hqt "Rtqr qucnu"y køj kp"hqwt "ur gekhe"o køkøi "cpf "tgenco cvkqp"vqr keu.
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- Eqpf wevgf ."kp"eqqr gtcvkqp"y kj "vj g"P cvkqpcriRctm"Ugtxkeg."cp"gxgpv"vq"f go qpuvtcvg"w q
  my "equv."dwv"j ki j n{ "ghhgevkxg"y cvgt"vtgcvo gpv"u{uvgo u"nqecvgf "cv"vj g"Hrki j v"; 5"O go qtkcn
  Ukvg0
- Eqo r mygf "; "\gej pkecn'\unwf kgu"cu"kf gp\khkgf "qp"\y g"cwcej gf "nkuv'\y cv'hqmqy u0

## Qllkeg"qli'Unt h:eg"O kpkpi "Tgenco cvkqp"cpf "Gplqtego gpv"

- Rct vkelr cvgf 'lp''yj g'hqmqy lpi 'eqphgt gpegu<
  - $\\ \circ \quad \text{Kpf kcpc''Uqekgv{ ''qh'O kpkpi' ''cpf' 'Tgenco cvkqp'Cppwcn'Eqphgtgpeg= } \\$
  - o Y guv'Xkti kpkc'O kpg'F tckpci g'Vcum'Hqteg'U{o r qukvo =
  - o Cppwcn'Co gtkecp"Uqekgv("qh'O kpkpi "cpf "Tgenco cvkqp"=
  - o Pcvkqpcn'Cuuqekcvkqp"qh'Cdcpf qpgf 'O kpg"Ncpf 'Rtqi tco u'Eqphgtgpeg=
  - o P cvkqpcn'Cuuqekcvkqp"qh'Uvcvg"Ncpf "T genco cvkqpkuvu="cpf
  - o Cppwcn'Crrcreej kcp'Tgi kqpcn'Tghqtguvcvkqp'Kpkkcvkxg'Eqphgtgpeg
- QUO TG"cej kgxgf "y g"i qcnu'l'nt"r gthqto cpeg"o gcuwtgu'lkf gpvkhlgf "wpf gt "y ku''dwukpguu''nkpg qp"y g'I qcn'Rgthqto cpeg''Vcdng0

# Status of Applied Science Projects Funded in Prior Fiscal Years and Completed in FY 2015 or Still Pending Completion

Project Title/Contractor	Purpose/Funding
Cuuguukpi 'I gqo qtrj ke'Tgenco cvkqp'kp'Xcng{'Hkm'	Qdvckp"hkgrf "f cvc"vq"ecrkdtcvg"eqpegr wcri
Fguki p'hqt"Yguv'Xkti kpkc="Jqrmkpuqp="Yguv"	igqoqtrjke "fgukipu" hqt "Yguv" Xktikpkc "xcmg{ "hkmu0"
Xkti kpkc'Wpkxgtukv{"	Ur gekhke"qdlgevkxgu"ctg<"qdvckpkpi "cpf"s wcpvkh{kpi"
CT"6"4234"	ej ctcevgtkuvkeu'qh'o cwxtg'hcpf hqto u'kp''Y guv'
	Xkti kpkc="guvcdrkuj kpi "vj g"dcugrkpg"dkqrqi kecri"
Completed in 2015	eqoowpk√{ "cuuqekcvgf"y kaj "vj gug"ncpfhqtou="cpf"
_	i gpgtcvkpi "eqpegr wcn'i gqo qtr j ke "xcmg{ 'hkm'
	f guki pu'hqt 'gzkurkpi 'o kpgu0'&36: .: 7:
Eqttgrcvkqp"qh"VFU"Tgrgcug"Rqvgpvkcnı"y ky "Hkgrf"	Eqttgrcvg'r tgf levgf "VF U'tgrgcug'dgj cxkqtu'y kyj 'vj g''
Ngcej kpi "Dgj cxkqtu"hqt "Crrcrcej kcp"Eqcn"O kpg"	cewcn'co qwpv.'kqpke'eqo r qukkqp.'cpf 'vgo r qtcn'
Ur qkul'cpf 'Eqctug'Tghwug=Fcpkgn=Xkti kpkc'Vgej "	r cwgtp"qh'\qvcn'f kuuqnxgf 'uqnkf u'*VF U+'t gngcug"
	qdugtxgf 'kp'hkgrf 'o qpkxqtkpi 'mqecxkqpu0'Vj g'tguwnu'
	y km'cuukuv'tgi wacvqtu'kp''y g'fgxgmqrogpv'qh'urqkm'
Completed in 2015"	r mego gpv'cpf "o cpci go gpv'r tcevlegu'kpvgpf gf "vq"
•	eqpvtqrlcpf "rko ky"VF U"tgrgcug"d{ "eqcrluwthceg"
	o kpgu0'&3: 6.282'''
Głłgeskxg'O qpksqtkpi 'cpf 'Cuuguuo gpv'qh'Vqscn'	Ej ctcevgtk g"cpf "cuuguu"o kpkpi "qtki kp"vqvcn"
Fkuuqrxgf "Uqrkfu"cu"c"Dkqxke"Uxtguuqt"kp"Okpkpi/	fkuuqnxgf"uqnkfu"*VFU+"cu"c"rtgfkevqt"qh"dkqvke"
Kohnwegpegf "Uxtgco u="Uej qgpj qnv  ="Xkti kpkc"Vgej "	tgur qpug0"Vj g"tguwnu"y km'gpj cpeg"vj g"cdkrkv{ "qh"
	tgi wrcvqtu'vq'r tgf lev'vj g'dkqvle'ko r cevu'qh'VF U'cpf "
	f gxgmr "uxtcvgi kgu"cpf "o gyj qf u"hqt "rko kskpi "VF U"kp"
Completed in 2015"	o kpkpi "twpqhh"cu"pggf gf "vq"r tqvgev"uvtgco "dkqvc0"
•	&464.3::"
I gqvgej plecn'Rtqr gtvkgu'cpf 'Hrqy 'Dgj cxkqt'qh'Eqcn'	Wug'hodqtovqt { "vguxu."uo cm/uecrg"o qf gri'vguxu"cpf "
Tghwug'wpf gt "Ucvke"cpf "Korcev"Nqcf kpi = gpi =	egpvtkhwig'oqfgnkpi'kp'c'eqortgjgpukxg''
Ecug"Y guvgtp"Tgugtxg"Wpkxgtukv{"	kpxguvki cvkqp"qh"i gqvgej pkecn"rtqrgtvkgu"cpf 'hrqy "
	dgj cxkqt 'qh'eqcn't ghwug' wpf gt 'uvcke' cpf 'ko r cev'
	mcf kpi OGzr nkek/f guki p"et kgt kc"hqt "uchgv{ "cpcn{ uku"
Completed in 2015"	qh'\ckrkpi u'f co u'cpf "ghhgevkxg"o gcuwtgu'\q'ko rtqxg"
_	uvcdkrkv{ 'y km'dg'tgeqo o gpf gf 0"'83; ; .682

Nqy /r J 'Hg*KK-'Qzkf cvkqp'hqt'Rcuukxg''Vtgcvo gpv'qh' Eqcn'O kpg'F tckpci g='Dwti qu='Rgppu{ncpkc''Ucvg'' Wpkxgtukv{'' Completed in 2015''	F gxgmqr "c"r cunkxg"ttgcvo gpv'\gej pqmi { "hqt"cekf" o kpg"f tckpci g"\COF+"\j cv'gzr mku"pcwtcn" dkqmi kecn'my /r J "Hg\K\qzkf'qzkf c\kqp0\K'y km\\3+" gzr cpf "\j g"pwo dgt "qh'u\{ uvgo u'\q"dgwgt "xcnkf cvg" cpf "uvcpf ctf k\ g"rcdqtcvqt { "cunguno gpv'r tqvqeqn\\4+" o gcuwtg"\j g"mkpg\keu"\q"f gvgto kpg"\j qy "rcdqtcvqt { "tcvgu"eqttgrcvg'\q"hkgnf "r gthqto cpeg\\5+\f gxgmr "c" f guki p"gs wc\kqp"\j cv'ecp"dg"wugf "\q"ukl g"cgtc\kqp" vgttcegulej cppgn\\cup"cpf ."\6+\"uwxf \"\j g"cunqekcvgf" o ketqdkcn'eqo o wpkkgu"cpf "o kpgtcmi \{ "kp"qtf gt"\q" hwn\{"gzr mk\'y kı"r tqeguu"hqt "COF"r cunkxg" vtgcvo gpv0\&\d22.222"
VTQO RG'Hrqo 'y g'Rcuv'Y km'Eqo g'y g'Hwwtg="	F guki p"cpf "eqpunt wev"c"ontqo r gö"y j kej "wugu hemkpi "
Fwpp="Utgco"Tguvqtcvkqp"Kpe0"	y cvgt'y kij "pq"qwuld g"r qy gt"uqwteg"\q"gpvtclp"clt" hqt"c"r cuulxg"vtgcvo gpv'r ncpv'cv'c"tgo qvg"nqecvlqp"\q"
Completed in 2015	hcekrkscyg'ktqp''qzkf cykqp0'&33; .222'''
Cgtcvkpi 'Qhh'yj g'I tkf <'Cf xcpekpi 'Rcuukxg''	Cf xcpeg''y g''ttgcvo gpv'ghhgevkxgpguu''qh''cdcpf qpgf''
Vtgcvo gpv'y kyj "Uqrct"cpf "Y kpf "Rqy gt="P cktp="	eqcn'o kpg'ftckpci g'rcuukxg'\tgcvo gpv'u{uvgo u'd{"
Wpkxgtukx{"qh'Qmcj qo c"	gzco kpkpi ."wpf gtuvcpf kpi "cpf "ko r tqxkpi "cgtcvkqp" kp"dqyj "qzkf cvkqp"cpf "tg/cgtcvkqp"r qpf u0'8422.222"
Completed in 2015	
Kortqxgf 'uwrhcvg/tgf wekpi 'dkqtgcevqtu'hqt'vjg'	Gxcnwcvg'dkqtgcevqt'\tgcvo gpv'rtqeguugu'cpf"
tgo gf kcvkqp"qh"j ki j "vqvcn"f kuuqnxgf "uqnkf u"f tckpci g"	vgej pqmi { 'ko r tqxgo gpwi'kpenwf kpi 'bqnct/r qy gtgf''
cuuqekcvgf 'y kij 'eqcn'o kpkpi 'cpf 'r tqeguukpi 'kp'vj g' WUU±Nghkectkw='Uqwij gtp'Knkpqku'Wpkxgtukv{ 'cv'	cwqo cwqp"cpf 'ugo k/r cuukxg"\tgcvo gpv'wukpi 'nqy / equv'y cuvg"o cvgtkcnu'cu'c"ectdqp"uqwteg0P gy "
Ectdqpf crg"	u{uvgo "gxcnvcvkqp"o gvj qf u. "kpenvf kpi "cr r nkecvkqpu"
	qh'kuqvqr g'i gqej go kuxt {."qti cpke"i gqej go kuxt {."cpf"
Completed in 2015	o ketqdkqrqi {."y km'dg"go r rq{gf "vq"cuuguu."o qpkqt." cpf "ko r tqxg"yj g"ghhkekgpe{"qh'yj g"dkqtgcevqt" vtgcvo gpv'r tqeguugu0"83; 2.763""
Wpf gti tqwpf 'Eqcn'I cultilectlqp' WEI + Y cvgt/	F gxgmr "c"dguv'r tcevlegu"f qewo gpv'hqewugf "qp"
S works{ 'J c  ctf u'cpf 'Tkum'O kski cskqp''Ustesgi kgu="	y cvgt 's wcrkv{ 'j c  ctf u'cuuqekcvgf 'y kj 'WEI 0"Vj g"
Y j kg="Ncy tgpeg"Nkxgto qtg"P cvkqpcn"Ncdqtcvqt{"	f qewo gpv'y km'eqpukuv'qh<'c'i wkf cpeg'o cpwcn' f guetkdkpi "WEI /ur gekhke'y cvgt's wcnkv{ 'j c  ctfu'cpf"
Completed in 2015	dguv'r tcevkegu'qh'o kki cvkpi 'vj qug'j c  ctf u=cpf 'c' tgxkgy 'qh'r tgxkqwu'hkgrf 'uwf kgu'kp'vj g'WUUcpf '' cdtqcf .'y kij 'c'ur gekhe'hqewu'qp'y cvgt 's wcrkv{ '' o gcuwtgo gpvu'cpf 'rguuqpu'rgctpgf 0''&422.222

## Qhheg''qh'Umheg''Ohphpi~'Tgenco~cvkqp''cpf~'Gphqtego~gpv''

Ugkuo qi tcrj "I gqrj qpg"Eqwrnkpi "Rtqvqeqnu'hqt" Uwthceg"Eqcn'O kpg"Dncuvkpi = "Cko qpg="Cko qpg/ Octvkp"Cuuqekcvgu"  Qpi qkpi "	Gxcnxcvg'f khhgtgpv'r tqvqeqnu'vq'eqwr ng'i gqr j qpgu'kp" qt'qp'vj g'i tqwpf "cpf 'r tqxkf g'eqpukuvgpv." tgr tqf wekdng'i tqwpf "xgnqekkgu."cpf "cuuqekcvgf "f kur ncego gpv."ceegngtcvkqp."cpf "htgs wgpe {"eqo r qpgpwi'y kj "c"o kpko wo "qh'uvcvkuvkecn'f cvc"uecwgt0%6: .542"
TFDO U*TgrcvkqpcrlFcvc'Dcug'O cpci go gpv' U{uvgo +'hqt"Y cvgt 'Qprkpg='Mgrn='Qj kq'FPT"  Qpi qkpi "	F gxgrqr "c"eqo r tgj gpukxg."y gd/gpcdrgf "y cvgt" kphqto cvkqp"u{uvgo "y cv"y km"o ggv"y g"pggf u"qh"y g" Qj kq"F kxkukqp"qh"O kpgtcriTguqwtegu"O cpci go gpv." Qj kqøu"tgi wrcvgf "kpf wuxt {."cu"y gm"cu"y g"CO N" Rtqi tco "y cvgtuj gf" r ctvpgtu0'&422.222"
Drcukpi 'Ghgewi'qp'Eqcn'Tghwug'Korqwpfogpv' Uxtwewtgu='Nwum='Wpkxgtukx{'qh'Mgpwem{'' Qpiqkpi''	Cpcn{  g"y g"urqr g"uvcdkrk{ "qh"eqcn"t ghwug lurwtt { " ko r qwpf o gpw"qxgt "ko g"wpf gt "uvcvke"cpf "f { pco ke" eqpf kkqpu"r tqf wegf "cu"y g"eqpugs wgpeg"qh"y g" drcuvkpi "cevkxkx{ "cv"c"uwthceg"eqcn"o kpg0'&422.222
Kr gpvkh{kpi 'Ghhgevkxg''Uvtcvgi kgu'hqt'Eqpvtqmkpi " Cppwcn'Dtqo gu'qp'Okpg'Ncpf u='Tkpgmc='WUFC" Ci tkewnwtcn'Tgugctej 'Ugtxkeg''	F gxgmr "c'hmm "r ctco gygtk gf "o qf gn'y cv'hqtgecuwu"  mgxgm'qh'cppwcn'dtqo g'kpxcukqp'tgumnkpi 'htqo "  ur gekhkgf 'tgerco cvkqp'r rcpu0Cppwcn'dtqo g"  hqtgecuwu'y km'dg"o cf g'cxckrcdrg''q'cm'tgrgxcpv'  r ctykm'lm'cp''grey / yg/ywg'hato cyf/8883 64: ""
Qpi qkpi " Gxcnxcvkqp"qh'I gqo qtr j ke"Tgenco cvkqp" Rgthqto cpeg"cpf "O qf gnu"kp"vj g"Uqwoj y guvgtp" Wpkgf "Ucvgu="Uqpg="Wpkxgtukv{"qh"P gy "O gz keq"  Qpi qkpi "	rct/kgu'kp''cp''gcu{/vq/wug'hqtocv0'&383.64: ""  Cf xcpeg''y g'r gthqtocpeg''qh'i gqoqtrjke'' tgercocykqp0'Ur gekhle''qdlgevlxgu''ctg<'gxcnwcvg''y g'' ghhgevlxgpguu''cv'rtqf wekpi "eqpfklqpu''y cv'okoke'' pcwtcn'cpcmi "dcukpu''cpf "ejcppgn="cuuguu'' ghhgevlxgpguu''qh'y cvgtuj gf "oqfgnu'kp'kphqtokpi "y g'' i gqoqtrjke'tgercocykqp''rtqeguu="cpf'kpxguvkicvg'' y g''nqpi/vgto''uvcdkrk{"qh'tgerckogf''kpenwfkpi'' y g'korcewi'qh''gzvtgog''gxgpw0'&3;;.897
Nqy/equv.'I tggp'Vgej pqrqi {''\q''Kortqxg''Y c\gt'' S wcrk\{''\p''O kpkpi/Korce\gf''Gequ\uvgo u.''Rj cug''Ko'' O qf grl'F gxgrqr o gpv'cpf ''Qr \kok\uvga c\kqp=''O qj cp\{='' Uqwj gtp''Krkpqku''Wpkxgtuk\uv\uvga '' Qpi qkpi "	Vguv'cpf "qr vko k g''w q''eqo r ngo gpvct {."pqxgn" õi tggp.ö'equv ghhgevkxg''ej go kecn'cpf 'r j {vq/tgo gf kcvkqp''o qf gnu'hqt''r cuukxg''vtgcvo gpv'qh''cekf'' o kpg''f tckpci g''cpf "gtqukqp''eqpvtqn'qh''cekf''o kpg'' uqknv0"'&3;;.;68

Technical Investigation Pr	rojects Funded in FY 2015
Ghrgev'qh'I tcf kpi "Vgej pks wgu'( 'Hqtguv'Vj kppkpi " qp"Rtqf wevkxkv{ "qh'J ki j /Xcnwg"Vtgg"Ur gekgu'kp" Tghqtguvgf "Uwthceg"O kpg "Ncpf u="Nj qvnc=" Wpkxgtukv{ "qh'Mgpwem{ "	Gxcnxcvg"j qy "i tcf kpi "cpf "o wrej kpi "ttgcvo gpvu" chłgev"uqkrir tqr gtvkgu"cpf "vtgg"r tqf wevkxk{ "vj tqwi j " 35"i tqy kpi "ugcuqpu"cv'vj g"Uvcthktg"O kpg"tgugctej " ukvg"kpkkcm{ "guvcdrkuj gf "kp"3; ; 90T guwnu"qh'vj g" uwvf { "y kmir tqxkf g"cf f kkqpcnimpqy ngf i g"tgi ctf kpi "
Qpi qlpi "	y g "ghhece { "qh"i tcf kpi "ttgcvo gpw" vq" o kpg " qr gtcvqtu. "i qxgtpo gpvcn" tgi wrcvqtu. "( "uekgpvkuw0" &396.987"
Gxcnwcvkqp"qh"Uo cm"Vtgg"( "Uj twd"Rrcpvkpi u"qp" Tgercko gf "Uwthceg"O kpgu"kp"Y guv"Xkti kpkc=" Unqwugp="Y guv"Xkti kpkc"Wpkxgtukv{"( "Y knkco u" Hqtguvt{"  Qpi qkpi "	F gygto kpg"y g"guvcdrkuj o gpv."uwtxkxcn"cpf "i tqy y "qh"ur gekgu"qh"uo cmi'tggu"cpf "uj twdu"qp"tgemko gf "uwthceg"o kpgu0Vj ku"r tqlgev"uwr r qtwi'y g"  Cr r cmej kcp"Tgi kqpcn'Tghqtguvcvkqp"Kokkcvkxg"vq"  hwty gt "gpj cpeg"dguv"o cpci go gpv"r tcevkegu"hqt"  tghqtguvcvkqp0F cvc"qdvckpgf "htqo "y ku"r tqlgev"y km"  ko r tqxg"cpf "kpetgcug"mpqy ngf i g"qh"y j cv"ur gekgu"  uj qwf "dg"kpenwf gf "kp"tghqtguvcvkqp"r ncpvkpi "  r tqlgewi'vq"r tqo qvg"tgenco cvkqp"i qcmi'( "gequ{uvgo" f gxgmq o gpv0"8338.675""
Korgo gpvckqp"qh"c"Uo cm'uecg"I gqo qtrj ke" Ncpf hqto "Tgenco cvkqp"Rtqlgev"kp"Crrcncej kc=" J qrmkpuqp="Y guv"Xkti kpkc"Wpkxgtukv{"("Y XFGR"  Qpi qkpi"	Vj g'qxgtcm'i qcn'ku'\q'gxcnxcvg''y g'wug'qh'' i gqo qtr j ke'rcpf hqto 'f guki p'hqt'Crrcrej kc'eqcn' hkgrf 'tgerco cvkqp0C'f go qpuvtcvkqp''ukvg''o wuv'dg'' gxcnxcvgf '\q'f gvgto kpg'kh'y g'crrtqcej 'ku'r quukdrg'' cpf 'equv'ghhgevkxg'hqt''y g'tgi kqp0'Vj g''qdlgevkxg''ku'\q'' f guki p.'ko rngo gpv.''( 'o qpkqt''c''uo cm'uecrg'' i gqo qtr j ke'rcpf hqto 'tgerco cvkqp''r tqlgev'kp''Y guv' Xkti kpkc0''&3;;.;;6'''
Tj gqrqi {"qh"Hkpg"EqcriTghwug"cpf "Qdugtxcvkqpu"qh" Kp/Ukw"Ej ctcevgtkuvkeu="Ftwoo="Wpkxgtukv{"qh" Vgppguugg" Qpi qkpi"	Koxgurki cvg''y g'tj gqrqi kecri'dgj cxkqt''qhi'hkpg''tghwug'' cu'c'hwperkqp''qh''y cvgt''eqpvgpv'( ''i tckp''ukt g'' f kurtkdwkqp=kpxgurki cvg''y g'ghtgev''qh'y cvgt'' ej go kurt { "qp''y g''tj gqrqi kecri'dgj cxkqt''qh''y g''tghwug='' qdvckp''f cvc''qp''j qy ''y gug''o cvgt kcru''eqpuqrkf cvg''qxgt'' vko g0'''&422.222''
Utgco 'Gequ{uvgo 'Tgurqpug'\q'Okpkpi/Kpfwegf" Ucnkpk  cvkqp'kp'Crrcncejkc='Uejqgpjqnk  ='Xktikpkc" Vgej'( 'KN'Pcwtcn'Jkuvqt{'Uvtxg{"  Qpiqkpi"	Kpxgurki cvg'j qy 'o kpgtcn'ucnu'tgngcugf 'd{ 'o kpkpi '' chngev'guugpvkcn'cs wcvke 'gequ{uvgo u'kp'Crrcncej kcp'' j gcf y cvgt 'uvtgco u0'''&422.222''
Kf.gpvkhecvkqp"qh"Rqvgpvkcn"Ej go kecn"Utguuqtu"qh" Hf.guj y cvgt 'O wuugnu"kp"vj g"Enkpej "Tkxgt."P qtvj gcuv" Vgppguugg"cpf "Uqwj y guv'Xkti kpkc="Nqw="Xkti kpkc" F gr v'qh"Gpxktqpo gpvcn"S wcnkv{"  Qpi qkpi "	Vj g''qxgtcm'i qcn'ku'\q''guvcdnkıj 'c''y cvgt/o qpkqtkpi '' r tqi tco 'kp''eqqr gtcvkqp''y kij ''y g''VP 'F gr v'qh'' Gpxktqpo gpvcn'Eqpugtxcvkqp''\q''uwf { ''y g'' kf gpvkhecvkqp''qh'r qvgpvkcn'ej go kecn'uvtguuqtu''qh'' htguj y cvgt''o wuugnu'kp''y g''Enkpej ''Tkxgt0'' &33: .; 66'''

## Qlllkeg''qllUmlreg''Olphpi''Tgenco~cvkqp''cpf''Gplqtego~gpv''

Eqorcevkqp" ("Uggfnkpi" tqy yj" ("Uwtxkxcn'qp"	Vj g'r wtr qugu 'qh' yj g'r tqr qugf 'tgugctej 'ctg' \q'3+"
Tgencko gf 'O kpgu'kp'vj g''Y guvgtp'I wh="Uqxcm="	kpuvcm'c'f go qpuvtcvkqp'ctgc'eqo r ctkpi "
Usgrjgp"HOCwurkp"Uscrg"Wpkxgtukx{"	eqpxgpvkqpcn'cpf "HTC" vtgcvo gpvu"kp" vj g"y guvgtp"
	I wth'Tgi kqp."4+"gzco kpg'\j g'ko r cew'qh'\tgc\o gpw"
Qpi qkpi "	qp"eqorcevkqp."gtqukqp."cpf"uwthkekcn"j {ftqmqi{."
	cpf '5+'f gygto kpg''y g'ghhgev'qh'eqo r ceykqp''qp''
	uggf nkpi "i tqy yj "cpf "uwtxkxcn" (836; .; 5; "

Qllkeg"qllUut h:eg"O kpkpi "Tgenco cvkqp"cpf 'Gplqtego gpv"

# TAB 7 Financial Management

## FINANCIAL MANAGEMENT

 $\label{thm:continuity:continuity:equiv} \textbf{Hkpcpekcn'O cpci go gpv''Uwo o ct { ''qh''Dwf i gv'Tgs wguv''}}$ 

			2017					
*f qmctu'lp''y qwucpf u+"	2015 Actual	2016 Enacted	Fixed Costs & Related Changes (+/-)	Program Changes (+/-)	President's Budget	Change From 2016 (+/-)		
Regulation and								
Technology "	505	505	+3	+205	713	+208		
Tgxgpwg'O cpci go gpv'	632'	632"	- 4'	- 427''	839"	- 429		
""Rtqi tco 'O qpkqtkpi "				]- 427_''				
HVG"	4'	4'			4'			
I tcpvu'Hkpcpekcn'								
O cpci go gpv'	; 7'	; 7''	- 3"		; 8"	- 3		
HVG	3'	3'			3'			
Abandoned Mine Reclamation Fund	6,396	6,396	+44		6,440	+44		
Hgg'Eqo r nlcpeg''	8.524"	8.524"	- 65"		8.567"	- 65		
HVG"	65'	62'			62'			
I tcpwi'Hkpcpelcn'								
O cpci go gpv'	; 6'	; 6"	- 3"		; 7"	- 3		
HVG"	3'	3'			3'			
Total, Financial Management	6,901	6,901	+47	+205	7,153	+252		
Total FTE	47	44			44			

<sup>&</sup>quot;""PQVG<"4237"HVG'hki wtgu'tghrgev'cewcri'wci g0'

 $\label{thm:condition} Hkz gf "Equvu" tguvun''kp" cp "kpet gcug "qh'' \& 69.2220 "'Hkz gf "Equvu" eqx gt "r c { "tgrcvgf "kgo u "kpenvf kpi "c" r c { "tckug" cpf "j gcnyj "r rcpu0" }$ 

## **Summary of 2017 Program Changes**

Request Component	(\$000)	FTE
Tgxgpwg'O cpci go gpv'/'Rtqi tco 'O qpkqtkpi "	- 427"	2"
Total Program Change	+205	0

## **Justification of 2017 Program Change**

Vj g"4239"dwf i gv"hqt"Hlpcpekcn"O cpci go gpv"ku"&9.375.222"cpf "66"HVG."c"r tqi tco "kpetgcug"qh" &427.222"htqo "vj g"4238"Gpcevgf "ngx gn0"

#### **OVERVIEW**

Vj ku"dwukpguu"rkpg"r tqxkf gu"tguqwtegu"hqt"vj g"Hkpcpekcri'O cpci go gpv'r tqi tco "cevkxkv{0"QUOTG" ecttkgu" qwv' kuu hkpcpekcri' o cpci go gpv'r tqi tco "tgur qpukdkrkkgu" vj tqwi j "vj tgg" cevkxkvkgu<" "hgg" eqo r nkcpeg. "tgxgpwg"o cpci go gpv."cpf "i tcpvu"o cpci go gpv0"""

- Hgg" eqo r nlcpeg" eqxgtu" yi g" eqmge kqp." ceeqwp kpi ." cwf kv" cpf " kpxguvo gpv" qh cdcpf qpgf "o kpg"t genco cvkqp "hggu. "cuukuvcpeg" vq"qr gtcvqtu"qp "eqo r nlcpeg" o cwgtu. "cpf tgi wncvqt { "cpf 'r qnke { 'f gxgmqr o gpv'qp 'hgg" eqo r nlcpeg "kuuwgu0
- I tcpvu'o cpci go gpv'kpenwf gu'ceeqwpvkpi 'hqt'cpf 'tgr qtvkpi ''qp''i tcpvu'cy ctf gf ''vq''Uvcvg cpf ''Vtkdgu'hqt''CO N''cpf ''tgi vrcvqt { 'r vtr qugu0
- Tgxgpwg"o cpci go gpv"kpxqnxgu"yi g"ceeqwpvkpi "cpf "eqngevkqp"qh"tgxgpwg"qyi gt"yi cp tgerco cvkqp"hggu."uwej "cu"ekxkrl'r gpcnkgu"cuuguugf "wpf gt"Hgf gtcn"ekxcvkqpu"hqt"o kpkpi xkqrcvkqpu"cpf "Hgf gtcn'r gthqto cpeg"dqpf u'hqthgkgf "d{"eqcn'o kpg"r gto kvggu0

Hkpcpekcn'O cpci go gpv'qr gtcvkqpu"ctg"cp"kpvgi tcn'r ctv'qh'QUO TGøu"Gpxktqpo gpvcn'T guvqtcvkqp" cpf "Gpxktqpo gpvcn'Rtqvgevkqp"o kuukqp"i qcn'ctgcu0"'Uvcvg"cpf "Vtkdcn'i tcpv'hwpf kpi "\*tgerco cvkqp" cpf "tgi wrcvqt {+" f kudwtugo gpv' hqt" yi g" cf o kpkuvtcvkqp" qh" tgi wrcvqt {" cevkxkkgu" cpf "tgerco cvkqp" engcpwr "r tqlgevu"ku"o cpci gf "yi tqwi j "yi ku"r tqi tco "cevkxkv{0""QUO TG."Uvcvgu."cpf "Vtkdgu"hwpf" tgerco cvkqp" r tqlgevi' y qtm' yi tqwi j " yi g" hggu" eqmgevgf "htqo " ewttgpv' o kpg" qr gtcvqtu" yi tqwi j " o cpf cvqt {"i tcpvu"r tqxkf gf "cppwcm{"vq"Uvcvgu"cpf "Vtkdgu0'Vj gug"r tqlgevu"engcp"wr "gpxktqpo gpvcn' j c| ctf u"tguwnkpi "htqo "r cuv' o kpkpi "qr gtcvkqpu" yi cv'f gi tcf g"rcpf "cpf" y cvgt" tguqwtegu0'" Vj g" tgi wrcvqt {"i tcpvu."y j kej "ctg"cr r tqr tkcvgf "cppwcm{."hwpf "yi g"cf o kpkuvtcvkqp"qh'Uvcvg"tgi wrcvqt {" r tqi tco u"yi cv'r tqvgev'r gqr rg"cpf "yi g"gpxktqpo gpv'htqo "cf xgtug"ghhgevu"cuuqekcvgf "y kyi "ewttgpv'

o kpkpi "cpf "gpuwtg" y g"rcpf "ku"tguvqtgf "cv" y g"eqpenwukqp" qh"

o kpkpi 0"'

## **Operational Processes (Program Activities):**

Cu"rtgxkqwun{"fkuewuugf. QUOTG"ecttkgu"qw"ku"rtqitco "hkpcpekcn" o cpci go gpv" tgurqpukdkrkkgu" yitqwij "yitgg" cevkxkkgu<"hgg"eqornkcpeg."tgxgpwg"o cpci go gpv."cpf "itcpw" o cpci go gpv0" "Vjku" dwukpguu"nkpg" fqgu"pqv"kpenwfg"cfokpkurtcvkxg"ceeqwpvkpi "qt"tgrqtvkpi "hqt"crrtqrtkcvgf"hwpfu0"

Vj g"qweqo g"qh"QUO TGøu"Hopcpekcn"O cpci go gpv"rtqi tco "r gthqto cpeg" ku" o quvn{" o gcuwtgf "d{" vj g" uweeguu" qh" vj g" Uwthceg" O kpkpi "Rtqi tco "kp" ectt{kpi "qw" vj g" wy q" o clqt" o kuukqpu"qh" vj g"qti cpk cvkqp"//"Gpxktqpo gpvcn"Tguvqtcvkqp" cpf "Gpxktqpo gpvcn"Rtqvgevkqp0""Vj g"Hopcpekcn"O cpci go gpv" dwukpguu" nkpg" ku" cp" kpvgi tcn" rctv" cpf "uwrrqtw" ceeqo rnkuj o gpv" qh" dqvj "o kuukqpu0" "Y qtmqcf "kpf kecvqtu" kf gpvkhkgf "hqt" vj ku" dwukpguu"nkpg" kpenwf g" vj g"s wctvgtn{"hgg"

### **Fee Compliance**

- Eqorcp{'Tgrqtvkpi
- Eqmgevkqp
- Ceeqwpvkpi
- Cwf kw
- Kpxguvo gpv'qh'CO N'Hggu
- Eqo r nkcpeg'Cuukuvcpeg'vq Qr gtcvqtu
- F gxgrqr o gpv'qh'Tgi wrcvqt {"cpf Rqrle {"Kuwgu

#### **Grants Management**

• Ceeqwpvkpi "cpf "Tgr qtvkpi

## **Revenue Management**

 Ceeqwpvkpi "cpf "eqngevkqp"qh tgxgpwg"qyi gt"yi cp"CO N"hggu \*g0 0'ekxkril" gpcnkgu"cpf "Hgf gtcn r gto kwkpi "cpf "r gthqto cpeg dqpf u+ eqngeskqp"tgrqtvu"cpf "hgg"eqngeskqp"tcvg"hqt"qrgtcvqtu"tgrqtvkpi "eqcn'vqppci g. "kpvgtpcn'cwf kvu"hqt" hgg"eqngeskqp"cpf "eqo r nkcpeg."cpf "ceeqwpvkpi "cpf 'tgrqtvkpi "tgs vktgo gpvv0'

Actions Required to Achieve Annual Goals: QUOTG" y km² wug" wej pqmi {"cpf" ewurqo gt" ugtxkeg"kpkkc kxgu" 'q"kpet gcug" eqo r nkcpeg" cpf "ko r tqxg"r tqeguukpi "qh² eqmge kqpu0" 'Vj ku² kpenxf gu" wukpi "'yj g' Kp wtpgv' 'q"gcug' 'yj g' eqcn² eqo r cpkguø' tgr qt vkpi "dwtf gp. 't gegkxg' s wct vgt n{ "eqcn² r tqf we vkqp" tgr qt vu." r tqxkf g" kphqto cvkqp" vq" eqo r cpkgu." cpf "cmqy "eqo r cpkgu" vq" o cng" r c {o gpvu" qp/nkpg0" QUOTG" y km² eqpvkpwg" vq" wug" pgy "cpf" uvt gco nkpgf" eqmge vkqp" ugt xkegu" cu' 'yj g{"dgeqo g"cxckrcdrg" cpf "y km² y qtm² ykj "ewurqo gtu' cpf" uvcngj qrf gtu' 'vq" gpuwt g'hckt "cpf" eqpukuvgpv'r qnkekgu0"

Kp"H[ "4238"cpf" 4239."QUOTG"y km"eqpvkpwg"vq"kortqxg"kuu"Eqcn"Hgg"Eqmgevkqp"Ocpci gogpv" U{uvgo "\*EHEOU+."y j kej "QUOTG"wugu"vq"r tqeguu"cpf "ocpci g"eqcn"tgencocvkqp"hggu."eqornkcpeg" cwf kv"hkpf kpi u. "cpf "ekxkn"r gpcnkgu0"EHEOU"uwr r qtwu"y g"eqpvkpwgf "uweeguu"qh"vj g"hgg"eqornkcpeg" r tqi tco0' "QUOTG" y km" cnuq" eqpvkpwg" vq" mqm" hqt" qr r qtwpkkgu" vq" cwqocvg" r tqeguugu" cpf" uvtgconkpg"eqcn"eqorcp{"tgrqtvkpi"yi tqwij"yi g"eqpuqnkfcvgf"eqcn"fcvc"tgrqtvkpi "u{uvgo"\*Ukping" Uqwteg"Eqcn'Tgrqtvkpi "U{uvgo+0"QUOTG"jcu"qxgt"3; 2"i tcpwu"cpf"eqqrgtcvkxg"ci tggogpwu'y kyj" yi g"Ucvgu"cpf"Vtkdgu."ceeqwpvkpi 'hqt"qxgt"&9:8"okmdqp0"

Resources, Skills, and Technology Needed: Vq"uwr qtv"r tqi tco "cevkxkkgu"cpf "vq"gpuwtg"yj cv" qr gtcvqtu"eqpvkpwg"vq"uwr qtv"yj g"uwthceg"o kpkpi "r tqi tco "d{"r c{kpi "cr r tqr tkcvg"hggu."QUO TG" r ncpu"vq"o ckpvckp"c"j ki j n{"vtckpgf "ecf tg"qhi"hgg"eqo r ncpeg"cwf kxqtu."r tqi tco "ceeqwpvcpvu."cpf" hkpcpekcni'u{uvgo u"r gtuqppgn0""Vtckpkpi "y kni'eqpvkpwg"uq" yj cv"hkpcpekcni'o cpci go gpv"r gtuqppgni' o ckpvckp"c"j ki j "ngxgni'qhi'unkni'cpf" vgej pkecni'gzr gtvkug0'"QUO TG" y kni'cnuq"eqpvkpwg"vq" wug" eqpvtcevqtu'vq"j cpf ng"dknikpi ."f cvc"gpvt {"cpf "cr r tqr tkcvg"eqngevkqp"hwpevkqpu0'

Vj g"hqmqy kpi "ugevkqp"f gvckru."d{"r tqi tco "cevkxkv{."vj g"hwpf kpi "cpf "HVG"tguqwtegu"tgs wktgf "vq" o ggv'vj g'r gthqto cpeg"o gcuwtgu0

#### 2017 PROGRAM PERFORMANCE

## 1. Fee Compliance

Vj g'hgg''eqo r nkcpeg''ce\kxk\{"r tqxkf gu'hwpf kpi "wugf "d {"QUO TG."Uvcyu"cpf "Vtkdgu'\q''tguvqtg''ncpf "cpf "y cvgt"f gi tcf gf "d {"r cuv'o kpkpi "r tce\kegu'\q''dgpghkekcn'\wugu0"Vj g''hgg''ku''eqmge\vgf "d {"QUO TG" htqo "ce\kxg''eqcn'qr gtc\vqtu''dcugf "wr qp"\vqpu''qh''eqcn'r tqf wegf "cpf "uqnf 0'Vj g''wug''qh''yj ku''o qpg {"hwpf u''yj g''ceeqo r nkuj o gpv''qh''yj g''F gr ctvo gpv\u00f3u''Tguq\wteg''Rtq\vge\kqp"i qcn''\vq"r tq\vge\v'Co gt\wc\u00f3u'' ncpf uecr gu0"

 $QUOTG \&u'Hgg'Eqorrlcpeg'Rtqitco "ecttlgu''qw''UOETC \&u''tgs wltgo gpwi'vq''gpuwtg''eqcn''qr gtcvqtu'' ceewtcvgn{"tgrqtv''vqppcig"cpf"rc{"tgemcocvlqp"hggu0'''Vjg"rtqitco "iqcn''ku''vq''oczkok{g''eqorrlcpeg''d{"hcktn{"cpf"eqpulkngpvn{"crrn{kpi"rqnke{"cpf"eqmgevlqp"rtqegfwtgu''cv''c"tgcuqpcdng"equn0"'''}}$ 

Kp" H[ "4237." QUO TGøı" Hgg" Eqo r ncpeg" Rtqi tco "cej kgxgf"c"; ; 0 "r gtegpv" eqmgevkqp" tcvg" tguwnkpi "kp" &3; : "o kmkqp" kp" vqvcn' eqmgevkqpu0' "Eqmgevkqpu" f getgcugf "htqo "H[ "4236" f wg" vq" tgf wegf "eqcn'r tqf wevkqp0" Cu'c 'tguwn/'qh'y qtmkpi "emugn("y ky "y g'kpf wuxt {."vj g'r tqi tco "cej kgxgf" c"; ; 0): "r gtegpv'eqo r ncpeg" tcvg" hqt" qr gtcvqtu" hkrkpi "y gkt" vqppci g" tgr qtvu0' QUO TG" o ckpvckpgf "c" j ki j "r gtegpvieqo r ncpeg" tcvg" hqt" qr gtcvqtu" hkrkpi "y gkt" vqppci g" tgr qtvu0' QUO TG" o ckpvckpgf "c" j ki j "r gtegpvieqo r ncpeg" tgr qtvu1' grgevtqpkecm{ ."cv": : 08" r gtegpv'kp" H[ "42370" F wtkpi "H[ "4237." QUO TG" cnuq" r tqeguugf": 805" r gtegpv' qh" y g" eqcn" tgerco cvkqp" hgg" tgr qtvu1' cwqo cvkecm{ ."cpf" 9905" r gtegpv'qh" r c {o gpvu" cwqo cvkecm{ 0""" Hwtyj gt" cwqo cvkqp" qh''r c {o gpv' r tqeguukpi "ku" eqpuvtckpgf" d{"y g"kpcdkrkv{"qh'uqo g"eqo r cpkgu" vq" wug" y g"Vtgcuwt {"F gr ctvo gpvxu" Rc {0 qx"u{uvgo 0"D{"uweeguuhwn{"pxgtci kpi "yej pqnqi {."y g"cwf kv'f kxkukqp" j cu'dggp" pcvkqpcm{" tgeqi pk gf" hqt"ku" ghhkelgpv'cpf "ghlgevkxg' wkrkl cvkqp" qh'tguqwtegu0""

 $\label{thm:continuous} Vj g"Hgg"Eqo r nlcpeg"Rtqi tco "ku"eqo r tkugf "qh" y q"j ki j n{ "kpvgi tcvgf "eqo r qpgpvu"//"eqmgevkqpu" cpf "cwf kwu"//"vj cv"y qtm"j cpf /kp/j cpf "vq"o czko k g"eqo r nlcpeg."o kpko k g"vj g"dwtf gp"qp"kpf wwt { ." cpf "gpuwtg"vj g"ghhkekgpv"wug"qh"tguqwtegu0"""Hqt "gzco r ng. "ng{ "kpkkcvkxgu"vj cv"vj gug"eqo r qpgpvu" y km"r wtuwg"kp"H[ '4238'kpenwf g<"$ 

- O ckpvckpkpi " cpf " ko r tqxkpi " yj g" Eqcn" Hgg" Eqmgevkqp" O cpci go gpv" U{uvgo \*EHEO U+0'"Ko r tqxgo gpvu"vq"yj g"u{uvgo "y km"j grr "QUO TG"hwtyj gt"cwqo cvg"cpf uvtgco nkpg"r tqeguugu0
- Eqpulpulpi "y g"lo r tqxgo gpv'qh'y g"eqpuqnlf cvgf "eqcn'f cvc"tgr qtvlpi "u{uvgo "\*Ulpi ng Uqwteg'Eqcn'Tgr qtvlpi "U{uvgo +0
- Kpetgcukpi "vj g"wug"qh"cwqo cvkqp"kp"eqpf wevkpi "hgg"eqo r nkcpeg"cwf kuu"vq"hwt vj gt ko r tqxg"ghhkekgpe{0

F gvcknu"qp" yi gug"cpf "qyi gt"ugtxlegu" yi g"eqmgevlqp"cpf "cwf kv"eqo r qpgpvu"r tqxkf g"ctg"f guetkldgf "kp" yi g"hqmqy kpi "ugevlqpu0"

## a. AML Fee Collection

Vj g"eqmgevlqp"eqo r qpgpv"cuuvtgu" yj cv" yj g"CO N"Hgg"r c $\{0\ gpv"tgs\ wktgo\ gpvu"qh"UOETC"ctg"\ eqpuluvgpvn{"cpf 'hcktn{"cr r nkgf "cetquu" yj g"eqwpvt<math>\{0\ "Kp"H]\ "4237"QUOTG" eqmgevgf"; ; 0, "r gtegpv"qh" yj g"CO N"Hggu"f wg"f wtlpi "yj g"{gct0"Vqvcn"CO N"Hgg"eqmgevlqpu"y gtg"<math>\&3$ ; : "o kmlqp0""

 $Vq" \; cuuluw" \; kp" \; o \; cpci \; kpi \; "CON" \; Hgg" \; eqmgevlqpu." \; QUOTG" \; wkrl{ } \; gu" \; yi \; g" \; Eqcn" \; Hgg" \; Eqmgevlqp" \; O \; cpci \; go \; gpv" \; U{uvgo " *EHEO U+0" " Vj ku" \; eqo \; r \; wgtl{ } \; gf " u{uvgo " \; r \; tqxkf \; gu" \; uwdukf \; kct { " \; ceeqwpw" \; tgegkxcdrg" \; cpf " o \; cpci \; go \; gpv" \; kphqto \; cvlqp" \; pggf \; gf " vq" o \; cpci \; g" \; yg " \; hgg" \; eqo \; r \; nkcpeg" \; r \; tqi \; tco \; 0" \; EHEO U"ku"kpvgi \; tcvgf " y \; kj " vj \; g"Cr \; r \; nkecpv" \; Xkqrcvqt " U{uvgo " vq" vtcem" \; pgy " r \; gto \; kwu" \; htqo " kpkkcn" \; r \; gto \; kwlpi " 'j \; tqwi j " hgg"tg \; qtvlpi 0"CON" hgg"r \; c{o \; gpw"ctg" vtcemgf " d{" \; r \; gto \; kv"pwo \; dgt" qh'r \; tqf \; wekpi " \; eqcn"eqo \; r \; cpkgu"gcej " s wctvgt0" \; Kp"cf \; f \; kkqp." vj \; g"u{uvgo "kuuvgu" s wctvgtn{ "QUO/3" eqcn"tgerco \; cvlqp" \; hgg"tg \; qtwu"htt"kpf wuxt{" 'eqcn"ucrg"tg \; qtvlpi " cpf " hgg"eqo \; r \; wcvkqp0" \; Vj \; g"tg \; qtwu"ctg"cxckrcdrg"qp/rkpg" \; vj \; tqwi j " \; QUOTGou" \; G/hkrkpi " y \; gduksg0" " \; Rgto \; kv" \; kphqto \; cvlqp" \; ku" \; r \; tg/hkrngf " cpf " vj \; g" \; u{uvgo " \; cwqo \; cvlecm{ "ecrewrcvgu" vj g" eqcn" \; tgerco \; cvlqp" \; hggu" \; f wg." \; dcugf " qp" vj g" \; f cvc" \; gpvgtgf " d{" vj g" \; eqo \; r \; cp{0""Hqt" vj g"cr \; r \; tqzko \; cvgn{ "vgp" \; gtegpv"qh"vj g" \; gto \; ku"vj \; cv"ctg"pqv"hkrgf "qp/rkpg." QUOTG" o \; cknu"c" \; r \; cg t"tg \; qtvkpi " r \; cenci \; g0""$ 

Qp"cxgtci g."qxgt"3.; 82"r gto ku"ctg"tgr qtvgf "qp"QUO/3"tgr qtvu"cpf "r tqeguugf "gcej "s wctvgt0" QUO TG" wugu"cp" kpvgtpgv dcugf "u{uvgo "vq"cmqy "eqcn'eqo r cpkgu"vq"hkrg" yi gkt "s wctvgtn{"eqcn' r tqf wevkqp"tgr qtvl'grevtqpkecm{0""Eqo r cpkgu'tgr qtv'yi cv'yi g'qp/nkpg'tgr qtvkpi u{uvgo "ucxgu'yi go " vko g"cpf "o qpg{0"Vj g"ghhkekgpe{"ku"gxkf gpegf "d{"yi g"hcev'yi cv'6: 2"eqo r cpkgu'xqnwpvctkn{"wug"yi g" G'hkrkpi "u{uvgo "vq'tgr qtv'qp"cr r tqzko cvgn{"3.889"r gto kuu"cpf "qxgt"; ; "r gtegpv'qh'yi g"eqcn'vqppci g" r tqf wegf "pcvkqpy kf g0"Vj g"u{uvgo "uki pkhkecpvn{"uvtgco nkpgu"yi g"tgr qtvkpi "r tqeguu."o cmgu"kv'gcukgt" hqt"eqo r cpkgu"vq"tgr qtv'qp"vko g."tgf wegu"gttqtu."cpf "o cmgu"kv'gcukgt"hqt"QUO TG"vq"hqmqy /wr " y kyi "eqo r cpkgu"vj cv'j cxg"pqv'tgr qtvgf 0'Vj g"u{uvgo "cnq"cmqy u"eqo r cpkgu"vq"o cmg"r c{o gpv' qprkpg." wukpi " yi g" Vtgcuwt {" F gr ctvo gpvxu" Rc{(I qx" r c{o gpv' o gyi qf 0' " Vj ku" hgcwtg" ucxgu" eqo r cpkgu"vko g"cpf "y ktg"vtcpuhgt"equvu."y j krg"r tqxkf kpi "QUO TG"y kyi "hcuvgt "kphqto cvkqp"cdqw" eqmgevkqpu'hqt"kpxguvo gpv'r wtr qugu0'

QUO TG"wigu"EHEO U"vq"r tqxkf g" yi g"qpi qkpi "uwr r qtv"hqt" yi g"Hgg"Eqo r nkcpeg"Rtqi tco 0""Vj g" u{ugo "gpcdngu"QUO TG"vq"o cpci g" yi g"hgg"eqo r nkcpeg"r tqeguu."htqo "r gto kv"kuuwcpeg"vq"o kpkpi " eqo r ngvkqp0" EHEO U" cnuq" uwr r qtvu" yi g" tgncygf " vqppci g" tgr qtvkpi " cpf " hkpcpekcn' r tqeguugu." kpenxf kpi "hgg"ecnewrcvkqp."r c {o gpv'r tqeguukpi ."dkmkpi ."cpf "f gdv"eqmgevkqp0'F wtkpi "H[ "4237." QUO TG"uvtgco nkpgf "yi g"r tqeguu"hqt"kpcevkxcvkpi "r gto kvu."hqt"hgg"tgr qtvkpi "r wtr qugu."qpeg"yi g" r gto kvu"j cxg"eqo r ngvgf "eqcn'r tqf wevkqp0"QUO TG"y cu"cdng"vq"uko r nkh{"yi g"r tqeguu"cpf "r tqxkf g" eqo r cpkgu" y kyi " yi g" cdkrkv{" vq" kpcevkxcvg" r gto kvu" qp/nkpg" yi tqwi j " yi g" Ukpi ng" Uqwteg" Eqcn' Tgr qtvkpi "U{uvgo 0'"QUO TG"cnuq"gpj cpegf "yi g"EHEO U"u{uvgo "vq"cwqo cvkecm{"wr f cvg" yi g" r gto kv'lphqto cvkqp'hqt'yi g"eqo r cpkgu'yi cv'tgr qtvgf "o kpkpi "eqo r ngvkqp0""

## b. AML Fee Audit

UO ETC" tgs wktgu" QUO TG" vq" eqpf wev" cwf kuu" vq" gpuwtg" hwni' eqo r nkcpeg" y kij " vj g" ncy øu" tgenco cvkqp"hgg"tgs wktgo gpwu."uq"hwpf u"ctg"cxckncdng"hqt"Ucvg."Vtkdcn"cpf "Hgf gtcni'tgenco cvkqp" ghlqtw0'"Vq"o ggv"vj cv'o cpf cvg."vj g"eqo r nkcpeg"r tqi tco "ku"f guki pgf "vq"r tqo qvg"vko gn{"cpf" ceewtcvg"tgr qtvkpi "qhi'eqcni'vqppci g"cpf "vq"gpuwtg"eqttgev'hgg"r c{o gpw0"Kp"cf f kklqp"vq"eqpf wevkpi "

c"eqo r tgj gpukxg"cwf kv"r tqi tco ."vj ku"kpenwf gu"r tqxkf kpi "vj g"kphqto cvkqp"cpf "cuukuvcpeg"qr gtcvqtu" pggf "vq"eqo r n{ ."cpf "vcmkpi "gphqtego gpv"cevkqp"y j gp"pqp/eqo r nkcpeg"qeewtu0'

Vj g" cwf k/' uvchh' ku" uvcvgi kecm{" uvcvkqpgf" kp" mqecvkqpu" y j kej " o kpko k g" vcxgn' equvu" vq" eqcn' eqo r cp{øu'tgeqtf mggr kpi "mqecvkqpu0"Qxgt'92"r gtegpv'qh' y g"cwf k/'uvchh'ctg'hwn' vb g''vgngy qtmgtu." y kj "pq"dtkemu"cpf " o qtvct"qhhkeg"ó"uki pkhkecpvn{"tgf wekpi "i gpgtcn' ugtxkegu"equvu0" Vq" gpuwtg" s wcnkv{."cwf ku''ctg''r gthqto gf "kp"ceeqtf cpeg"y kj "I qxgtpo gpv'Cwf kkpi "Uvcpf ctf u"kuuwgf "d{"y g" Eqo r vtqngt "I gpgtcn'qh' y g"Wpkygf "Uvcvgu0" Vj g'eqpvkpwkpi "r tqhguukqpcn'gf wecvkqp"cpf "vtckpkpi "qh" QUO TGøu'cwf kv'uvchh'ku'go r j cuk gf 'kp'ceeqtf cpeg'y kj ''y qug'uvcpf ctf u0'

D{"untwewtkpi "yi g"cwf kv"r tqi tco "vq"gpuwtg"cm"eqo r cpkgu"j cxg"yi g"r qvgpvkcn"vq"dg"cwf kxgf ."cp" ghlgevkxg" f gvgttgpv" vq" pqpeqo r nkcpeg" ku" cny c{u" r tgugpv0' " Vq" uwr r qtv" yi g" r tqi tco " i qcn" qh" o czko k kpi "eqo r nkcpeg."QUO TG"cwf kqtu"y km"eqpf wev"o qtg"yi cp"382"cwf ku"cpf "eqo r nkcpeg" ej gemu"kp"H[ "42390"Dg{qpf "yi g"f gvgttgpv"ghlgev."yi ku"r tqxkf gu"cp"qr r qtwpkx{"vq"r tqo qvg"wr htqpv" eqo r nkcpeg"d{"qhlgtkpi "f ktgev"cuukuvcpeg"vq"yi g"kpf wuxt{"qp"ceeqwpvkpi "cpf "tgr qtvkpi "o cwgtu0"Hqt" gzco r ng."y j gp"kpuvcpegu"qh"pqp/eqo r nkcpeg"ctg"kf gpvkhkgf."yi g"cwf kqtu"gzr nckp"gcej "kuuwg"cpf" j qy "uko krct"qeewttgpegu"ecp"dg"cxqkf gf "kp"yi g"hwwtg0'

Cwf kqtu"cnq"r tqxkf g"ugxgtcn'qyi gt"ugtxkegu"pgeguuct { "vq"cej kgxg"c"j ki j "rgxgn'qh"eqo r rkcpeg0" Vj g'hqmqy kpi "ctg"c'hgy "gzco r rgu"qh'vj g'y qtm'r rcppgf 'hqt"H[ '42390'

- Kpet gcukpi "cwf k/"cwqo cwkqp<" D{" crrn{kpi "eqo rwgt" vgej pks wgu" vq" vj g" f cvc i cvj gtkpi ."cpcn{uku."cpf "tgrqt vkpi "hwpevkqp."vj g"cwf kv'uvchh'j cu'dggp"cdrg"vq"o ckpvckp c"j ki j "eqo rnkcpeg"rgxgri'f gur kvg"nko kvgf "tguqwtegu0'Vq"hwt vj gt "ko rtqxg"ghhkekgpe{. QUO TG" y km' eqpvkpvvg" vq" y qtm' y kvj "eqcn' eqo rcpkgu" vq" kpet gcug" vj g" wug" qh grgevtqpke "vtcpucevkqp"hkrgu'kp"vj g"cwf kv'rtqeguu0</p>
- Gzco kpkpi "cnt"r gto kv"t cpucevkqpu"t geqtf gf "df"t gi wrc vqt { "cwij qt kkgu<""Vj g"cwf kv uvchh"y knt"pggf "vq"tgxkgy "o qtg" yj cp"3.722"pgy nf "knuwgf "eqcn"o kpkpi "r gto kut"cpf vtcpucevkqpu"\*tcpuhgtu"cpf "co gpf o gpvu+"y j kej "ecp"chhgev" yj g"r ct kgu"t gur qpukdng hqt"r c { kpi "hggu0"""Kp"H "4237."yj g"uvchh"j cpf ngf "3.7: 6"r gto kv"vtcpucevkqpu0""D{ eqpvkpwkpi " yj gug" ghqtvu." yj g" r tqi tco " r tqxkf gu" uki pkhlecpv" cuuwtcpeg" yj cv" cm r tqf welpi "r gto kut"ctg"kf gpvkhkgf "kp"c"vko gnf "o cppgt."cpf "qr gtcvqtu"ctg"kphqto gf "qh yj gkt 'tgr qtvkpi "cpf 'r c { o gpv'tgur qpukdkrkkgu0}
- Rt qo qvkpi "G/i qxgt po gpv<""QUO TGøu" cwf kv" uvchh" j cu" dggp" kpunt wo gpvcn" kp" yj g uweeguuhwn"ko r ngo gpvcvkqp"qh"xctkqwu"G/i qxgt po gpv"ghhqt vu0" F wt kpi "Hj "4239." yj g cwf kv"uvchh"y km"eqpvkpwg" vq"r t qo qvg"gngevt qpke" vqppci g"t gr qt vkpi "cpf "hgg"r c {o gpv d { "f go qpunt cvkpi "yj g"u { uvgo u"hqt "eqo r cpkgu" f wt kpi "cwf kuu"cpf "pqvkh { kpi "QUO TGøu eqngevkqp"uvchh"qh"yj qug"kpvgt guvgf "kp"gpt qmkpi "kp"G/hktkpi "cpf "Rc { 0 qx0</p>

## Qllkeg"qllUxtlceg"Okpkpi "Tgenco cvkqp"cpf "Gplqtego gpv"

• Eqqtf kpc vkpi "y qt m'y kıj "vj g" Kpvgt pc n' Tgxgpwg" Ugt xke g<' "QUO TG" y km' eqp vkpwg y qt mkpi "y kıj "vj g" KTU'vq" gpuwtg" y g'hgg" eqo r nkcpeg" cpf "eqc n' gzekug" vcz "eqo r nkcpeg r tqi tco u'hwpe vkqp" vqi gvj gt "o qtg" ghhe kgp vn{0"UO ETC "tgs wkt gu" QUO TG" vq" hqty ctf cwf kv'tguwnu'vq" y g" KTU'cpf "dqvj" ci gpekgu" eqqtf kpc vg" kuuwgu "chhge vkpi "vj g" kpf wuxt {0

Qxgtcm"vj gtg"cnıq"y km'dg"c"eqpvkpwgf "go r j cuku"qp"ko r tqxkpi "eqo r nkcpeg"cpf "ewuvqo gt"ugtxkeg" kp"H "4239"cpf "dg{qpf 0""

## Table 8 – Actual and Estimated Deposits to the AML Fund AML Production Fees

\*rtqf weskqp'kp"o knkqpu'qhsqpu+" \*f qnctu'kp"o knkqpu+"

	4237" Cewcni"	4237" Rtqlgevkqpu"çu uvdo kvgf "kp"H[" 4236+		4238" Rtqlgevkqpu"		423 Rtqlge	39" evkqpu"	423: " Rtqlgevlqpu"	
Rtqf wevlqp'*"		FQG"	QUO"	FQG"	QUO"	FQG"	QUO"	FQG"	QUO"
Wpf gti tqwpf "	546"	549"	542"	524"	562"	523"	55: "	529"	567"
Uwth:eg"	766"	877"	7: 4"	824"	744"	838"	758"	844"	764"
Nki pkyg"	97"	: 3"	: 2"	96"	95"	: 4"	: 4"	: 4"	: 3"
CO N'Hggu'**"	&3;: O2"	&42: <b>(9</b> "		<i>&amp;</i> 3; 507"		<b>&amp;</b> 3;:0	2, , , "	&42205, , , "	

\*FQG"Rtqf weskqp"ku"dcugf "qp"vj g"F grct vo gpv"qh"Gpgti {"\*FQG+"Vcdrg"139 "Annual Energy Qwnqqm'4237, Reference Case Forecast." OSMRE tonnage uses the last reported "rtqf weskqp" Hkuech' [ gct "4237+"cpf "vj gp"kpet gcugu"qt"f get gcugu"dcugf "qp"vj g"r gtegpwi g"kpet gcug"qt" f get gcug"kp"FQG"rtqf weskqp"hqt "gcej "eqch'vl r g0""Vj g"QUOTG"rtqlgeskqpu"ct g"wuwcm{"rqy gt" dgecwug"CON"hggu"ct g"cuuguugf "qp"vj g"vqppci g"uqrf."wugf."qt "vt cpuhgtt gf "y j krg"vj g"FQG"hki wt gu" ct g"dcugf "qp"vj g"vqppci g"rtqf wegf 0""

\*\*CON'Hggu'ct g''ecrewrc vgf ''dcugf ''qp''vj g''QUOTG''vqppci g''gunko cvgu'o wrkr rkgf ''d{ ''vj g''cr r rkecdrg'' ewtt gpv'hgg''t cvg<''&2084.''&204: .''cpf ''&20 'hqt ''wpf gt i t qwpf .''uwt hceg. ''cpf ''hi pkvg. 't gur gevkxgn(0"Vj g'' ecrewrc vkqpu''ct g''cf lwwgf 'hqt ''o qkwwt g''eqpvgpv. 't gf wegf ''eqcri'r t kegu''cpf ''hggu. ''cf o kpkwt cvkxg'hggu'' cpf ''wpeqngevkdrg'hgg''gunko cvgu0"'

, , , Hgg'Rt qlgevkqpu'hqt 'H[ '4239'cpf 'H[ '423: 'f q'pqv'kpenvf g'r t qr qugf 'hgg'kpet gcugu0

## Qllkeg'qllUxt lceg'O kpkpi 'Tgerco cykqp'cpf 'Gplqtego gpy'

## Table 9 - Summary Status of Abandoned Mine Reclamation Fund

(dollars in thousands)

	Receipts	and Interes	st Income		Appropriatio					
Fiscal Year	Amount	Interest Earned	Cumulative	Amount Appropriated from AML Fund	Footnote	Appropriations from Other Sources	Transfer To UMWA Health & Retirement Funds		Cumulative Appropriated Balance	Cumulative Unappropriated AML Fund Balance
1978-87	1,978,820		1,978,820	1,573,004					1,573,004	405,816
1988	229,890		2,208,710	199,380	/1	7,000			1,772,384	436,326
1989	235,493		2,444,203	193,160					1,965,544	478,659
1990	243,519		2,687,722	192,772					2,158,316	529,406
1991	243,761		2,931,483	198,955					2,357,271	574,212
1992	241,954	39,328	3,212,765	187,803					2,545,074	667,691
1993	238,153	30,633	3,481,551	187,930					2,733,004	748,547
1994	244,296	40,090	3,765,937	190,107	/2	7,200			2,923,111	842,826
1995	255,416	61,730	4,083,083	182,386					3,105,497	977,586
1996	256,451	69,383	4,408,917	173,887			47,184		3,326,568	1,082,349
1997	266,783	81,006	4,756,706	177,085			31,374		3,535,027	1,221,679
1998	273,039	67,031	5,096,776	177,624	/3	3,163	32,562		3,745,213	1,351,563
1999	276,674	82,831	5,456,281	185,392			81,766		4,012,371	1,443,910
2000	274,297	94,370	5,824,948	195,873	/4		108,959	/4	4,317,203	1,507,745
2001	284,044	103,496	6,212,488	215,038	/5		182,018	/5	4,714,259	1,498,229
2002	287,066	43,278	6,542,832	203,455	/6		90,179	/6	5,007,893	1,534,939
2003	282,555	23,620	6,849,007	190,499	/7		89,858	/7	5,288,250	1,560,757
2004	287,023	45,694	7,181,724	190,591			14,966		5,493,807	1,687,917
2005	293,604	75,017	7,550,345	188,205			66,533		5,748,545	1,801,800
2006	302,992	95,687	7,949,024	185,248			59,004		5,992,797	1,956,227
2007	304,880	105,818	8,359,722	185,393			114,329		6,292,519	2,067,203
2008	286,272	83,764	8,729,758	139,334	/8		100,394		6,532,247	2,197,511
2009	272,764	55,465	9,057,987	142,977	/9		61,224		6,736,448	2,321,539
2010	251,784	55,193	9,364,964	177,502	/10		63,926		6,977,876	2,387,088
2011	259,935	54,881	9,679,780	185,649	/11		57,246		7,220,771	2,459,009
2012	249,725	54,789	9,984,294	247,595	/12		48,430		7,516,796	2,467,498
2013	213,675	36,634	10,234,603	225,393	/13		54,789		7,796,978	2,437,625
2014	202,872	34,928	10,472,403	193,814	/14		12,359		8,003,151	2,469,252
2015	197,973	29,426	10,699,802	195,190	/15		31,803		8,230,144	2,469,658
2016	193,514	29,109	10,922,425	190,500			29,109		8,449,753	2,472,672
2017	198,022	50,123	11,170,570	201,600			46,172		8,697,525	2,473,045
2018	200,310	64,234	11,435,114	263,700			43,188		9,004,413	2,430,701

<sup>/1</sup> Total does not include \$7M transferred into the fund by supplemental authority, which does not affect the Unappropriated Balance.

Notes: FY 2016 figures are estimates except for the UMWA transfer. FY 2017 and FY 2018 figures are estimates Annual figures for FY 1978-1987 are displayed in the FY 2015 Budget Justification, Table 9.

<sup>/2</sup> Total includes \$7.2 M transferred into the fund by supplemental authority, which does not affect the Unappropriated Balance.

<sup>/3</sup> Total does not include 3.2M transferred into the fund by supplemental authority, which does not affect the Unappropriated Balance.

<sup>/4</sup> Total includes one-time \$68M emergency appropriation, as well as the annual appropriation of \$41M.

<sup>/5</sup> Total includes annual amount of \$102.9M, as well as \$81.6M of the one-time \$96.7M mandated under PL 106-291.

<sup>/6</sup> Total includes annual amount of \$113.6M, less \$23.4M returned by UMWACBF trustees mandated under PL 106-291.

<sup>/7</sup> Total includes annual amount of \$56M as well as \$33.8M mandated under PL108-7.

<sup>/8</sup> Total includes annual amount of \$52M as well as \$87.4M mandated under PL 109-432.

<sup>/9</sup> Total includes annual amount of \$52M as well as \$90M mandated under PL 109-432.

<sup>/10</sup> Total includes annual amount of \$35.5M as well as \$141.9M mandated under PL 109-432.

<sup>/11</sup> Total includes annual amount of \$35.5M as well as \$150.1M mandated under PL 109-432.

<sup>/12</sup> Total includes annual amount of \$27.4M as well as \$220.2M mandated under PL 109-432.

<sup>/13</sup> Total includes annual amount of \$25.9M as well as \$199.4M mandated under PL 109-432 (after sequestration withheld).

<sup>/14</sup> Total includes annual amount of \$27.4M as well as \$166.4M mandated under PL 109-432 (after sequestration withheld).

<sup>/15</sup> Total includes annual amount of \$27.4M as well as \$167.8M mandated under PL 109-432 (after sequestration withheld).

## Qllkeg'qll'Unt læeg'O kpkpi 'Tgenco cykap'cpf 'Gphqtego gpy''

## 2. Grant Financial Management

Vj ku"cevkxk{"ceeqwpvu"hqt"cpf "f kudwtugu"tgenco cvkqp"cpf "tgi wncvqt {"i tcpvu"vq"Uvcvgu"cpf "Vtkdgu" wpf gt" QUO TGøu" Gpxktqpo gpvcn" Tguvqtcvkqp" cpf "Gpxktqpo gpvcn" Rtqvgevkqp" dwukpguu"nkpgu0' Vj g" i tcpvu"hkpcpekcn' o cpci go gpv' cevkxkv{"kpenvf gu" yj g" f kudwtugo gpv." ceeqwpvkpi ."tgr qtvkpi "cpf "tgeqxgt {"qh'i tcpv'hwpf u0"K/cnuq "kpenvf gu" yj g"eqo r wgt "u{uvgo u" wugf "vq"uwr r qtv'yj gug'hwpevkqpu0"

Cu'c'tguwn'qh'co gpf o gpw'vq'UO ETC"gpcevgf "cv'vj g'dgi kppkpi "qh'H[ "4229."o quv'CO N' i tcpv'cevkxkv{ "ku"pqy "o cpf cvqt {"cpf "pq"nqpi gt"r ctv'qh'QUO TGøu"f kvetgykqpct {"dwf i gv0" Uvctvkpi "kp"H[ "422: "vj g'i tcpv'f kvrtkdwkqp"y cu'ecrewrcvgf "dcugf "qp"vj g"pgy "co gpf o gpw" vq'UO ETC"cu'c'tguwn'qh'Rwdrke'Ncy "32; /6540""

Crapi "y kij "yi g"o cpf cvqt {"CO N"f kınt kdwkqpu"i kxgp"vq"yi g"uvcvgu."o cpf cvqt {"vtgcuwt {"hwpf u"ctg"cnuq'f kınt kdwkqp0"O qtg"kphqto cvkqp" ku'rtqxkf gf 'kp'yi g'Rgto cpgpv'Crrtqrtkcvkqpu'ugevkqp"qh'yi ku'f qewo gpv0"

Cu''qh''H[ "4233."RT KUO "ku''yj g''u{uvgo "qh'tgeqtf 'hqt"cm''cf o kpkuvtcvkxg"hwpevkqpu''tgrcvgf ''vq'' hkpcpekcn' cuukuvcpeg" r tqi tco u0' "RT KUO " r tqxkf gu" gpj cpegf " tgr qtvkpi " cpf " o qpkqtkpi " hwpevkqpu0'

Vcdrg" 32" qp" yj g" hqmqy kpi "r ci g" f gyckru" yj g" CO N" Wpcrrtqrtkcygf "Dcrcpeg" cu" qh" Ugr ygo dgt '52. "4237. "d { 'c'f gyetkr ykqp'qh'ksu'cmqecykqp0""

## Table 10

Office Of Surface Mining AML Unappropriated Balance September 30, 2015

Prepared by the Division of Financial Management

Total Funds to be Allocated:

\$2,469,651,053.92

Description of Allocation	Balance as of 10/01/14 1/	LESS: 2015 Appropriation	Plus: 2015 Sequester	LESS: 2015 Treasury Funds	LESS: 2015 5/ UMWBF Transfer	Post Appr. & Trans. Balance	Investment Int. 10/01/14-9/30/15	Collections for 10/01/14-9/30/15	Balance As Of 9/30/15
RAMP Allocation 6/	\$0.00					\$0.00			\$0.00
Federal Expense 2/ 6/	\$420,556,611.70	(\$46,718,930.00)	\$1,410,355.00			\$375,248,036.70		\$39,633,632.21	\$414,881,668.91
Historical Coal 3/	\$1,478,771,794.73	(\$123,954,399.00)	\$9,048,673.00	\$63,380,638.00		\$1,427,246,706.73		\$59,450,448.31	\$1,486,697,155.04
Investment Interest	\$148,149,113.12				(\$31,803,069.92)	\$116,346,043.20 \$1,918,840,786.63	\$29,425,908.39	\$0.00 \$99,084,080.52	\$145,771,951.59 \$2,047,350,775.54
Total Fed Share 1/ and 4/	\$2,047,477,519.55	(\$170,673,329.00)	\$10,459,028.00	\$63,380,638.00	(\$31,803,069.92)	\$1,918,840,786.63	\$29,425,908.39	\$99,084,080.52	\$2,047,350,775.54
Total State Share	\$421,767,363.49	(\$37,730,090.00)	\$2,754,295.00	(\$63,380,638.00)	\$0.00	\$323,410,930.49	\$0.00	\$98,889,347.89	\$422,300,278.38
Total	\$2,469,244,883.04	(\$208,403,419.00)	\$13,213,323.00	\$0.00	(\$31,803,069.92)	\$2,242,251,717.12	\$29,425,908.39	\$197,973,428.41	\$2,469,651,053.92

<sup>1/</sup> With Public Law 106-291, Congress authorized a transfer to the United Mine Workers Combined Benefit Fund using interest earned in FY 1992-1995.

<sup>\$78,976,478.05 (</sup>net of \$173,996.17,a Congressionally reduced appropriation, subsequently restored) was transferred under this law,

<sup>\$23,427,452.36 (</sup>net) was returned to OSM in 2002, leaving a remaining balance in this pool of \$41,133,755.64. Due to a downturn in interest rates, this pool is now depleted

<sup>2/</sup> The Federal Expense Distribution was calculated using 2005 distribution levels

<sup>3/</sup> The Historical Coal Distribution was calculated using 2005 distribution levels

<sup>4/</sup> This amount includes interest income received of \$39,328,466.11 prior to 10/01/92. Per Congressional appropriation language, OSM used \$7,000,000 of that

leaving remaining interest earned of \$32,328,486.11.

<sup>5/ \$59,003,832.73</sup> is the amount transfered at the beginning of FY 2006 to the United Mine Workers Benefit Fund for estimated expenses in FY 2006 and for adjustments to actual expenditures in FY 1996 through FY 2005, inclusive

<sup>6/</sup> Public Law 109-54 provided for a one time transfer of the RAMP balance g(2) as of September 30 to the Federal Expense account g(3). The balance at September 30, 2005 was \$361,118,412.64.

## 3. Revenue Management

Vj g" Tgxgpwg" O cpci go gpv' cevkxkv{" kpxqnxgu" o cpci kpi " c" xctkgv{" qh" pqp/hgg" tgxgpwgu" cpf " tgegkxcdrgu'yj cv'eqo g'htqo ''yj g'ci gpe{øu'qr gtcvkqpu0"'Vj gug'kpenxf g''yj g'hqnrqy kpi <''

- Hgf gtcn'ekxkn'r gpcnkgu''kuuwgf "hqt"o kpkpi "xkqncvkqpu0'Vj g"vqvcn'qwuvcpf kpi "dcncpeg qh'qr gp"ekxkn'r gpcnk{"ecugu'y cu"&842.272"cv'vj g"gpf "qh'H[ "4237."kpenxf kpi "kpvgtguv cpf "ncvg"ej cti gu0"'P gy "ekxkn'r gpcnkgu"tgeqtf gf "kp"H[ "4237"vqvcngf "&, 47.344."cpf QUO TG'eqngevgf "&4.236.265"f wtkpi "vj g"{ gct. "kpenxf kpi 'ncvg"ej cti gu0
- Dqpf 'hqthgkwtgu'd { 'hgf gtcm{ 'r gto kwgf 'o kpkpi 'eqo r cpkgu0
- Hggu'hqt'o kpg'r gto kv'tgxkgy u'cpf 'cf o kpkutcvkqp0
- Dreuvgt 'egt vkhlecvkqp' 'tckpkpi 0

Vj g"dqpf u"cpf "r gpcnkgu"cuuguugf "gpuwtg"tgur qpukdng"o cpci go gpv'r tcevkegu"kp"vj g"gzvtcevkqp"qh" eqcn'tguqwtegu0"Ngx {"qh'r gpcnkgu"cpf 'hggu'j gr 'vq"gpuwtg"qr gtcvqtuø'eqo r ncpeg"y kj "eqcn'o kpkpi " tgi wrcvkqpu" cpf " gpuwtg" vj g" ncpf " ku" tguvqtgf " vq" dgpghkekcn' wug" cv' vj g" eqpenwukqp" qh' o kpkpi " qr gtcvkqpu0"""

Ekxki' r gpcn{" eqngevkqpu" ctg" wugf " vq" tgenko " r quv'UO ETC" o kpg" uksgu0' " Vq" o czko k g" y g" eqngevkqp"tcvg"qp"ekxki'r gpcnkgu."QUO TG"wugu"cm'qh"y g"f gdv'eqngevkqp"vqqnu'cxckrcdrg0""Vj gug" vqqnu'kpenwf g"f go cpf "rgwgtu."r gtuqpcn'eqpvcev'y kj "'y g"f gdvqt."wug"qh'r c {o gpv'r rcpu."tghgttcn'vq" r tkxcvg"eqngevkqp"ci gpekgu'y tqwi j "y g"F gr ctvo gpv'qh'Vtgcuwt {."rkki cvkqp"y tqwi j "y g"Uqrkekqtøu" Qhhkeg."cpf "tghgttcn'vq" y g"F gr ctvo gpv'qh'Vtgcuwt {"hqt"r c {o gpv'qhhugv0"'Cf f kxkqpcm{."f grkps wgpv' ekxki'r gpcnkgu"ctg"tgr qtvgf "vq"y g"Cr r rkecpv'Xkqrcvqt"U{uvgo "uq"y cv'xkqrcvqtu"cpf "f gdvqtu"f q"pqv' qdvckp"r gto kuu'vq"o kpg"eqcn'wpvkri'y g"qwuvcpf kpi "f gdv'cpf "xkqrcvkqpu"j cxg"dggp"tguqrxgf 0""Vj gug" ctg"y g"uco g"vqqnu'wugf "kp"y g"CO N"Hgg"eqngevkqp"r tqi tco 0""J qy gxgt."dgecwug"y g"o clqtkv{"qh" y g"eqo r cpkgu"y cv'kpewt"CO N"Hggu"ctg"xkcdrg."y g"eqngevkqp"tcvg"hqt"CO N"Hggu"ku"j ki j gt"y cp" y g"eqngevkqp'tcvg"hqt"ekxkri'r gpcnkgu0'

F wtkpi " H[ " 4238/4239" QUO TG" y km² tghgt" ekxkil r gpcn/{ "f gdv² vj cv² ku" o qtg" vj cp" 342" f c {u" f grkps wgpv² vq" vj g" F gr ctvo gpv² qh² Vtgcuwt { "hqt" eqngevkqp." kp" ceeqtf cpeg" y kyj " vj g" F ki kxcn² Ceeqwpvcdkrk/{ "cpf "Vtcpur ctgpe { "Cev¹qh¹42360" QUO TG" j cu"c"o go qtcpf wo "qh¹ wpf gtuvcpf kpi " y kyj " vj g"F gr ctvo gpv²qh¹ Vtgcuwt { "y j gtgd { "vj g{ "y km²r tqxkf g"eqngevkqp" ugtxkegu"qp" f gdwi'qxgt" 342" f c {u"f grkps wgpv0F wtkpi "H[ "4237."QUO TG" tghgttgf "322" r gtegpv²qh¹ s wcrkh{ kpi "ekxkri'r gpcn/{ "f gdwi' vq'yj g"F gr ctvo gpv²qh¹ Vtgcuwt { 0"

Kp"cf f kklqp."QUO TG"y km'dg"guvcdrkuj kpi "cf f kklqpcn'r tqeguugu"kp"4238"vq"eqmgev'cpf "o qpkqt"hggu" hqt"ugtxkegu"r tqxkf gf "vq"kpf wwt {"hqt"vj g"cf o kpkntcvkqp."tgxkgy "cpf "o ckpvgpcpeg"qh"r gto ku" kuwgf "d{ 'QUO TG'Hgf gtcn'r tqi tco u0'

## FINANCIAL MANAGEMENT 2016 PLANNED PROGRAM PERFORMANCE

QUO TG'y km'o ckpvckp''c'j ki j 'tcvg''qh'hgg''eqo r ncpeg0'Vq''j gnr ''gpuwtg''yj cv'tguwnu''eqpvkpwg''vq''dg'' cej kgxgf ''ghhkekgpvn{.''QUO TG'y km'c''

- Eqpvkpvyg'y kij "ghhkekgpekgu'kp"cwqo cvgf "r c{o gpvu'cpf "r tqeguugu0
- Eqpvkpwg'\q'r tqo qvg''grgevtqpke''r c{o gpvu'cpf ''g/hkrkpi 0
- Guvedrkuj "eff kukapen"r taguugu 'va "eangev"r gto kwkpi "hggu"hat "Hgf gten"r tai teo u0
- Uwr r qtv'QUO T Gou'equv't geqxgt { 'r rcppkpi 'cpf 'ko r rgo gpvcvkqp 'ghlqtvu0

#### 2015 PROGRAM ACCOMPLISHMENTS

Kp"4237. "vj g"o clqt "ceeqo r nkuj o gpvu"kp" vj g"Hkpcpekcn"O cpci go gpv"r tqi tco "cevkxkv{ "kpenwf g<"

- Eqnrgevgf "83; : "o knkqp"kp"eqcnltgerco cvkqp"hggu't guwnkpi "kp"c"eqnrgevkqp"t cvg"qh"; ; 0 r gtegpv'qp"s wctvgtn( "eqcnltgerco cvkqp"hggu0
- O ckpvckpgf "cp"G/hkrkpi "gptqmo gpv'tcvg"qh": : 07 'r gtegpv'qh''y g"cevkxg'tgr qtvkpi .'r gto kwu y j kej "ctg"tgr qtvgf "grgevtqpkecm{ "y tqwi j "QUO TGøu"kpvgtpgv/dcugf "tgr qtvkpi "u{wgo 0
- Rtgeguugf "cwqo cvlecm ("9905" r gtegpv'qh'r c {o gpvu. "qt" 5.455" hgg'r c {o gpvu0
- Rtqeguugf 'cwqo cwecm{ '': 805'r gtegpv'qh'vqppci g'tgrqtw'f wtkpi ''y g'hqwtyj ''s wctvgt0
- Eqpvkpwgf "vq"uwr r qtv'vj g"r ncppkpi "cpf "f gxgnqr o gpv'qh'equv'tgeqxgt { "ghhqtwu"hqt"ugtxkegu r tqxkf gf "vq"kpf wwt { "hqt"vj g"cf o kpkwtcvkqp."tgxkgy "cpf "o ckpvgpcpeg"qh'r gto kwu"kuuwgf "d { QUO TG"Hgf gtcn'r tqi tco u0
- Eqpkpwgf "vq"epen{| g'kpxguvo gpv"gctpkpi u"qp"vj g'Cdepf qpgf 'O kpg"Ncpf 'Hwpf 0

# TAB 8 Executive Direction

#### **EXECUTIVE DIRECTION**

 $Gz gewkxg'F kt gevkqp''Uwo o ct { "qh''Dwf i gv'Tgs wguv''}$ 

				2	2017		
*f qmctu'kp'\yi qwucpf u+"	2015 Actual	2016 Enacted	Fixed Costs (+/-)	Program Changes (+/-)	President's Budget	Change From 2016 (+/-)	
Regulation and Technology	15,921	15,711	-497		15,214	-497	
Gzgewkxg"Fktgevkqp"	4.876"	4.876"	- 43"		4.897"	- 43'	
HVG"	44'	45'			45'		
Cfokpkmtcvkxg''Uwrrqtv'	6.636"	6.636"	- 46"		6.65: "	- 46'	
HVG"	46'	49'			49'		
I gpgtcn'Ugtxkegu"	: .: 75"	: .865"	/764"		: .323"	/764'	
HVG"							
Abandoned Mine Reclamation Fund	7,979	7,883	-140		7,743	-140	
Gzgewkxg"Fktgevkqp"	3.635"	3.635"	- 36"		3.649"	- 36'	
HVG"	33'	35'			35'		
Cfokpkintcvkxg''Uwrrqtv'	4.545"	4.545"	- 37"		4.55: "	- 37'	
HVG"	35'	36'			36'		
I gpgtcn'Ugtxlegu''	6.465"	6.369"	/38; "		5.; 9: "	/38; '	
HVG"							
Total, Executive Direction	23,900	23,594	-637		22,957	-637	
Total FTE	70	77			77		

<sup>&</sup>quot;Pqvg<"4237"HVG"co qwpwl'tghrgev'cewcn'wuci g0"

Hz gf "Equvu'tguvvv'kp"c'pgv'f getgcug'qh'8859.2220"Hz gf "Equvu'qh'896.222"eqxgt'r c { 'tgrcvgf 'kxgo u'' kpenwf kpi "c"r c { "tckug"cpf "j gcnj "r rcpu0' "Cf f kkqpcn'hkz gf "equvu''kpenwf g"kpetgcugu''kp"y qtngtøu'' eqo r gpucvkqp'\*83; .222+"y qtnkpi "ecr kxcn'hwpf "cf lwuvo gpvu'qxgtcm'\*86.222+"cpf 'KV'\*88.222+"cpf "f getgcugu'kp''wpgo r m{o gpv'eqo r gpucvkqp'\*/86.222+"cpf 'I UC'tgpvcn'tcvgu'\*/8958.222+0'

Vj gtg"ctg"pq"Rtqi tco "Ej cpi gu"wpf gt"vj ku"dwukpguu'rkpg"qh"cevkxkv{0"

#### **OVERVIEW**

Vj g"Gzgewkxg"Fktgevkqp"dwukpguu"rkpg"rtqxkf gu"cf o kpkurtcvkxg"uwrrqtv'vq"y g"qyj gt"hqwt"dwukpguu" rkpgu0' Gzgewkxg"Fktgevkqp"rtqi tco "rgthqto cpeg" ku" cp" kpvgi tcn"rctv" qh" yj g" Gpxktqpo gpvcn" Tguvqtcvkqp."Gpxktqpo gpvcn"Rtqvgevkqp."Vgej pqmi {"Fgxgmqro gpv"cpf"Vtcpuhgt."cpf"Hkpcpekcn" O cpci go gpv"dwukpguu" rkpgu0' "Vj g" dwukpguu" rkpg" hwpevkqpu" ctg" ecttkgf "qw" cv" QUO TGøu" j gcf s wctvgtu"mqecvkqp"kp"Y cuj kpi vqp."F(E0"Vj ku"dwukpguu"rkpg"kpenwf gu"yj g"Fktgevqtøu"cpf"uvchh" qhhkegu." kphqto cvkqp" vgej pqmi {." cfo kpkurtcvkqp." j wo cp" tguqwtegu." cpf" kpvgtpcn' hkpcpekcn' o cpci go gpv'hqt"yj g"qti cpk cvkqp0"Gzgewkxg"Fktgevkqp"rtqxkf gu"kpvgtpcn'gzgewkxg"fktgevkqp"cpf" cfo kpkurtcvkxg"uwrrqtv"vq"rtqi tco u."tgi kqpu."cpf "hkgrf"qhhkegu"yj tqwi j "yj g"f gxgmqro gpv'cpf" eqqtf kpcvkqp"qh"ci gpe{"rqnke{."dwfi gv."rrcpu"cpf"qyj gt"i wkf cpeg"f qewo gpvu0'"Cnq."Gzgewkxg"Fktgevkqp"eqqtf kpcvgu"yj g"ko rngo gpvcvkqp"qh"F grctvo gpvcn'cpf "Cfo kpkurtcvkqp"kpkkcvkxgu"kp"yj g"dwtgcw0"""

 $\label{thm:composition} Vj g"r gthqto cpeg"qweqo gu"hqt"Gzgewkxg"F ktgevkqp"ctg"ceeqo r nkuj gf "vj tqwi j "vj g"ghhlekgpv"cpf " ghhgevkxg"qr gtcvkqpu"qh"vj g"w q"o clqt"ci gpe { "dwukpguu"nkpgu"*kQ0"gpxktqpo gpvcn"tguvqtcvkqp"cpf " gpxktqpo gpvcn"r tqvgevkqp+"cpf "w q"uwr r qtv"r tqi tco u"*vgej pqmi { "f gxgmr o gpv"cpf "vtcpuhgt"cpf " hkpcpekcn'o cpci go gpv+0""Vj tqwi j "r tqxkf kpi "cf o kpkuvtcvkxg"uwr r qtv'hwpevkqpu"hqt"vj gug"r tqi tco u" Gz gewkxg"F ktgevkqp"uwr r qtvu" vj g"F gr ctvo gpv"qh" vj g"Kpvgtkqt"i qcnu"cpf "o gcuwtgu"kp" vj g"pgy " uvtcvgi ke'r ncp0"$ 

 $\begin{tabular}{ll} \textbf{Operational Processes (Program Activities):} & Vj g"hwpf kpi "tgs wguv"hqt" y ku"dwukpguu"rkpg"ku"vq" uwr r qtv" cevkxkkgu" qh" Gz gewkxg" F ktgevkqp." Cf o kpkutcvkxg" Uwr r qtv" cpf " I gpgtcn" Ugtxkegu0" Gz gewkxg"F ktgevkqp"r tqxkf gu"gz gewkxg"ngcf gtuj kr "cpf "r qnke{"f ktgevkqp"hqt" y g"Dwtgcw." y j kej " kpenwf gu'y g"ko o gf kcvg"qhhkeg"qh'y g"F ktgevqt0"Cf o kpkutcvkxg"Uwr r qtv'r tqxkf gu"cm'qh'y g"uwr r qtv'r ugtxkegu" hqt" f c{/vq/f c{" qr gtcvkqpu." uwej " cu" kphqto cvkqp" vgej pqmi {." j wo cp" tguqwtegu." r tqewtgo gpv."cpf "hkpcpeg"cpf "ceeqwpvkpi 0"I gpgtcn"Ugtxkegu"hwpf u"dwtgcwy kf g"hkzgf "equvu"uwej " cu"qhhkeg"ur ceg. "vgngr j qpgu." r quvci g. "wpgo r m {o gpv"eqo r gpucvkqp. "cpf "F gr ctvo gpv/y kf g"hkzgf" equvu"cuuguugf "vq"QUO TGO' } \end{tabular}$ 

### EXECUTIVE DIRECTION AND ADMINISTRATION ENCOMPASSES:

- Fktgevqtøu'cpf 'Uvchh'Qhhkegu
- Cfokpkıntcıkxg'\unimer qtv'\unimer qtv'\unimer qt'\unimer qt'\un
  - J wo cp'Tguqwtegu
  - Cfokpkuntcukqp
  - Hlpcpeg'cpf 'Ceeqwpvlpi
- Kphqto cvkqp"Vgej pqmi {
- I gpgtcn'Ugtxkegu'\*Qhhkeg'ur ceg. '\gngr j qpgu.
  r quvci g. 'wpgo r nq{o gpv'cpf 'y qtngtu
  eqo r gpuckqp. 'y qtnkpi 'ecr kxcn'hwpf . 'cpf 'qvj gt
  hkzgf 'equvu+

Vjg" Qhhkegu" kp" vjg" Gzgewkxg" Fkgevkqp"dwukpguu"nkpg"rgthqtocpeg" ku" cp" kpygitch' eqorqpgpy' qh' QUO T Gou" Gpxktqpo gpvcn' Tguvqtcvkqp" cpf " Gpxktqpo gpvcn" Rtqvgevkqp" o kuukqp" i qcn' ctgcu=" cpf " yj g" Vgej pqmi {" F gxgmr o gpv" cpf " Vtcpuhgt"cpf "Hkpcpekcn"O cpci go gpv" uwr r qtv'hwpevkqpu0"'QUO TG"uwr r qt vu" yj g"F gr ctvo gpvcn' O kuukqp" I qcnı" qh" Egngdtcvkpi " cpf" Gpj cpekpi " Co gtkecøu'I tgcv'Qwfqqtu.'Rqy gtkpi" Qwt"Hwwtg"cpf "Tgur qpukdrg"Wug"qh" yj g" P cvkqpøu" T guqwtegu." Gpi ci kpi " yj g"P gzv'I gpgtcvkqp."cpf "Dvkrf kpi "c" Ncpf uecr g/Ngxgn' Wpf gtuvcpf kpi "qh'

#### Qllkeg"qllUnt h:eg"O kpkpi "Tgenco cykqp"cpf "Gphqtego gpv"

Qwt 'T guqwtegu0"'Vj ku'dwukpguu'nkpg''cnuq''uwr r qt wi'yj g''etquu/ewwkpi ''ghlqt wi'wpf gt 'F QKou''xkukqp''hqt'' Dwkrf kpi ''c''43"''Egpwt { 'F gr ctvo gpv'qh'yj g''Kpvgtkqt0

Vj g"qweqo g"qh"r tqi tco "r gthqto cpeg"y km'dg"o gcuwtgf "d{"vj g"uweeguu"qh"QUO TG"kp"ectt{kpi "qw"vj g"gpxktqpo gpvcn"tguvqtcvkqp"cpf "r tqvgevkqp"o kuukqpu0'Cnuq. "r gthqto cpeg"y km'dg"o gcuwtgf "vj tqwi j "QUO TGøu"eqpvtkdwkqp"vq"vj g"ceeqo r nkuj o gpv'qh"vj g"F gr ctvo gpvcn"kpkkcvkxgu"cpf "j ki j "r tkqtkx{"i qcnx0"

Actions Required to Achieve Annual Goals: QUOTG y kmeqpvkpwg"vq"tgxkgy "kuu"r tqi tco u"hqt" o cpci go gpv"ghhekgpekgu"cpf "ucxkpi u0"

Resources, Skills, and Technology Needed: "QUOTG"cpf "y g"Ucvgu"cpf "Vtkdgu"y kmleqpvlpwg"vq" pggf "c"f kxgtug"cpf "o wnk/f kuekr nlpct { "ecf tg"qh"r gtuqppgn"vq"ceeqo r nkuj "y g"o kuukqp"cpf "i qcnu"qh" UOETCO"kp"cf f kxlqp. "y gug"r gtuqppgn'y kmli wkf g"QUOTG"y tqwi j "yej plecn"cpf "r qnke { "f gekukqpu" vq"gpuwtg"y cv"eqcn/o kpkpi "cevkxkxkgu. "kpenwf kpi "r quv'o kpkpi "tgenco cvkqp. "ctg"ecttkgf "qw"kp"uwej "c" o cppgt"y cv"y g"uchgv { "cpf "j gcnj "qh"eqcnkgrf "ekk gpu"ku"r tqvgevgf "cpf "y g"gpxktqpo gpv"ku"pqv" f gi tcf gf 0'

FY 2017 Budget Request: "Vj g"tgs wgw' ku"hqt" &440, "o knlqp"hqt" Gz gewkxg"F kt gevlqp" cpf "Cf o kpkntcvkxg"cevkxkkgu0"'Qh'vj ku'vqvcn"&608"o knlqp"y knl'dg"wugf "vq"r tqxkf g"gz gewkxg"f kt gevlqp" cpf "ghlgevkxg"r qnle{"i wkf cpeg"hqt"yj g"qxgtcmi'r tqi tco "cpf "nlckuqp"ghlqtvu"y kjj "Uvcvgu."Vtkdgu." eqcrhlqrf "ekkl gpu. "Eqpi tguu."cpf "qvj gt"Hgf gtcn'ci gpelgu0"'Cf o kpkntcvkxg"uwr r qtv'cpf "ugtxkegu'hqt" QUO TG'y knl'tgs wktg"&80"o knlqp"cpf "dcuke"dwtgcw/y kf g'hkzgf "qxgtj gcf "equvu'lp"i gpgtcn'ugtxkegu" y knl'equv'l&340"o knlqp0'

Rtqi tco Rtqlgev'Uwrrqtv'qh'Dwtgcw.'F grctvo gpv.''cpf 'I qxgtpo gp√y kf g'Equvu'<u>\*Ugevkqp'625</u>: <u>Eqornkcpeg+</u>'''

Cu"rtgxkqwm("o gpvkqpgf." yi g"Gzgewkxg"Fktgevkqp"cevkxk/{"rtqxkfgu"gzgewkxg"fktgevkqp"cpf" ngcfgtujkr."cpf"rqnke{"cpf"rtqitco "o cpcigo gpv"i wkfcpeg"hqt"cmi'ctgcu"qhi'tgurqpukdktk/{"hqt"QUO TGO"Ki'kpenxfgu"yjg'Fktgevqtøu'Qhhkeg'uvchh'cpf"cmi'Uvchh'Qhhkegu'nqecvgf"kp"Y cuj kpi vqp."FEO" Vjg"Cfo kpkntcvkqp"cevkxk/{"kpenxfgu"cmi'yjg"cfo kpkntcvkxg"hwpevkqpu"pgeguuct{"vq"uwrrqtv"rtqitco "cevkxkkgu0'"Ki'kpenxfgu"hqwt"qticpk|cvkqp"ctgcu<'Cfo kpkntcvkqp."J wo cp"Tguqwtegu." Cfo kpkntcvkxg"Hhpcpekcni'Ocpcigo gpv."cpf"Kphqto cvkqp"Vgejpqnqi{0'Vjg"Igpgtcni'Ugtxkegu"cevkxk/{"kpenxfgu"guugpvkcni'hkzgf"equvu"vq"uwrrqtv'QUO TGøu"rtqitco "okuukqpu"uwej"cu"tgpv."ygeqoo wpkecvkqpu."yjg"FQKiyqtmkpi "ecrkxcni'hwpf."cpf"ugtxkeg"eqpvtcevu0'"QUO TG"fqgu"pqv'eqorwg"ugrctcvg"qxgtjgcf"ejctigu."fgfwevkqpu."tgugtxgu"qt"jqnfdcemu"vq"hwpf"yjgug"cevkxkkgu="tcvjgt."yjg{"ctg"kfgpvkhkgf"cu"c"dwukpguu"nkpg"ykyjkp"yjg"dwfigv'rtgugpvcvkqp0"Hwtvjgt"kphqtocvkqp"qp"urgekhke"gngogpwu"qhl'gcej "cevkxkv{"ecp"dg"hqwpf"kp"yjg"Gzgewkxg"Fktgevkqp"cpf"Cfokpkntcvkqp"rtqitco"lwukhlecvkqp0""

 $Y \hspace{0.1cm} kj \hspace{0.1cm} kp"\hspace{0.1cm} ij \hspace{0.1cm} g"\hspace{0.1cm} Gz \hspace{0.1cm} gewk\hspace{0.1cm} xg"\hspace{0.1cm} F \hspace{0.1cm} kt \hspace{0.1cm} gewk\hspace{0.1cm} xg"\hspace{0.1cm} F \hspace{0.1cm} kt \hspace{0.1cm} gewk\hspace{0.1cm} xg"\hspace{0.1cm} F \hspace{0.1cm} kt \hspace{0.1cm} gp\hspace{0.1cm} xg"\hspace{0.1cm} yg \hspace{0.1cm} g"\hspace{0.1cm} F \hspace{0.1cm} gr \hspace{0.1cm} ct\hspace{0.1cm} yg \hspace{0.1cm} gp\hspace{0.1cm} xg\hspace{0.1cm} yg\hspace{0.1cm} yg\hspace{0.1cm} gp\hspace{0.1cm} xg\hspace{0.1cm} yg\hspace{0.1cm} yg\hspace{0.1cm}$ 

QUO TG'cniq'j cu'uwr r qtv'hwpeskqpu'cv'y g'tgi kqpcn'cpf 'hkgrf 'qhhkegu'y cv'gpuwtg'xctkqwu'ceskxkkgu' ctg'kpvgi tcvgf 'uq''y g''o kuukqp''ku'ceeqo r nkij gf 0'Vj g''o clqtkx{ "qh''y gug''equvu''ctg''eqo r tkugf "qh''y g'' ucnct { "cpf "dgpghku''hqt''hkgrf "qhhkeg''f ktgevqtu."tgi kqpcn'f ktgevqtu''cpf "vj gkt''cf o kpkintcvkxg''uvchh0'' Vj gug''equvu''ctg''pqv''kf gpvkhkgf "wpf gt "Gzgewkxg''F ktgevkqp''cpf "Cf o kpkintcvkqp."tcvj gt "vj g{ "ctg'' kpenwf gf "kp''y g''r tqi tco "hwpf kpi "tgs wguvgf 0"'QUO TG''r tqxkf gu''cmqecvkqpu''vq''kwu'tgi kqpu''dcugf "qp'' y g''qxgtcm'r tqi tco "cevkxkkgu''cpf 'f qgu''pqv'kf gpvkh{ 'ugr ctcvg''hwpf kpi 'hqt''uwr r qtv'hwpevkqpu0''''

Cewkk/ "Dougf "Equwlpi "cmqy u"QUO TG"vq"kpvgtpcm( "vtcemikpf ktgev'equvu"cuuqekcvgf "y kj "xctkqwu" qti cpk cwqpcni wpkuu"cpf "r tqi tco "cewkkkgu0""Vj ku"ku"ko r qtvcpvi vq"f gvgto kpg" yi g"hwni equvi qhi r tqi tco "cevkxkkgu"hqt"gxcnwcwqp"r wtr qugu0"'Qpg"y c { "kp"y j kej "uqo g"kpf ktgev'equvu"ctg"cuuqekcvgf "y kj "r tqi tco "cevkxkkgu"ku"dougf "qp"HVG"eqpuwo r wqp0""Vj ku"o gyj qf "ku"dougf "qp"yj g"cuuwo r wqp" yi cv"rcdqt" j qwtu"eqttgrcvg" vq" yi g"eqpuwo r wqp"qh" yi gug"equvu" wukpi "c"tcvkq"qh"HVG"r gt"gcej "r tqi tco "cevkxkw{"vq"vqvcn'QUO TG"HVGu0""F cvc"wukpi "yi ku"o gyj qf "ku"o cf g"cxckrcdrg"vq"o cpci gtu" hqt"r tqi tco "gxcnwcwqp=j qy gxgt."QUO TG"f qgu"pqvtgs wguv'hwpf kpi "cv'yi ku"rgxgn'qh'f gvckr0""

<sup>&</sup>quot;Eqpuqrlf cvgf 'Crrtqrtlcvkqpu'Cev."4238"\*Rwdrle"Ncy "336/335+"

#### 2017 PROGRAM PERFORMANCE

#### 1. Executive Direction

 $\label{thm:continuous} Vj ku"cevkxk{"r tqxkf gu"gzgewkxg"f ktgevkqp"cpf "ngcf gtuj kr."cpf "r qnke{"cpf "r tqi tco "o cpci go gpv" i wkf cpeg"hqt"cm"ctgcu"qh"tgur qpukdkrkv{ "hqt"QUO TG0"Vj g"Gzgewkxg"F ktgevkqp"cevkxkv{ "kpenwf gu" y g"ucnctkgu"cpf "qr gtcvkpi "gzr gpugu"hqt"y g"Qhhkeg"qh"y g"F ktgevqt"cpf "hqwt"ko o gf kcvg"uvchh" qhhkegu."y j kej "kpenwf g'Gs wcn'Qr r qtwpkv{="Eqo o wpkecvkqpu="Rncppkpi."Cpcn{uku"cpf "Dwf i gv="cpf" y g"Kphqto cvkqp"Tguqwtegu0""}$ 

#### a. Office of the Director

Vj g'F ktgevqt "ku"QUO TGʻʻʻatlige kgh"Gz gewkxgʻʻl Vj g'F ktgevqt "r tqxkf gu" yj g''ngcf gtuj kr "cpf "f ktgevkqp"qh" QUO TGʻʻcevkx kkgu" y kyj kp" yj g''nko kuu'f gngi cvgf "wpf gt"UO ETCʻʻl" Vj g'F ktgevqt ʻøu" r tko ct { "qdl gevkxgu" ctg" vq" ci i tguukxgn{ "r wtuwg" yj g" tgenco cvkqp" qh" cdcpf qpgf "o kpg" ncpf u" \*CO N+" cpf " vq" r tgxgpv" gpxktqpo gpvcn'r tqdngo u"kp" yj g"eqcnkgnf u"d{ "y qtmkpi "yj tqwi j "yj g"Ucvg" ci gpekguʻʻl "QUO TGʻ'o cngu" gxgt { "ghqtv" vq" qdvckp" hwni'r wdnke "kpxqnxgo gpv" kp" yj g"f guki p"cpf "f gxgnqr o gpv'qh" ci gpe{ "r qnke{0" Cp" gz vgpukxg" qwtgcej "crrtqcej "unko wrcvgf" c"o qtg" eqj gukxg" r ctvpgtuj kr "yj cv' j cu" ngf "vq" dgwgt" wpf gtuvcpf kpi "cpf "eqqr gtcvkqp" co qpi "QUO TGʻøu'uvcngj qnf gtuʻʻ

Kp"H "4238"cpf "4239."QUOTG"y kmleqp\kpwg"qwtgcej "ghhqtvu"y j kej "r tqo qvg"r wdnke"r ct\kekr c\kqp" kp" r qnke{" o cmkpi 0" Vj g" ctgpc" hqt" uwej "r ct\kekr c\kqp" kpenwf gu"r wdnke" o gg\kpi u" qp" r tqr qugf "twrgo cmkpi "cpf "eqphgtgpegu."y j kej "r tqo qvg"f kuewuukqp"cpf "gzej cpi g"qh"kphqto c\kqp"qp" yj g"ewttgpv'uvcvg"qh"yj g"eqcn"kpf wuxt {"cpf "QUOTGøu"gxqnxkpi "tqng0""QUOTG"y kmleqp\kpwg"vq"vcng"r qukkkxg'uvgr u'\q"eqpvcev'Uvcvgu."Vtkdgu."ekkt gpu."cpf "kpf wuxt {"cpf "gpeqwtci g"yj gkt'r ct\kekr c\kqp0"

Kp"cf f kkqp"vq"i wkf kpi "r qrke{"f gekukqpu."yj g"F ktgevqt"r tqxkf gu"f ktgev'uwr gtxkukqp"vq"yj g"hqmqy kpi "uvchh" qhhlegu<"Qhhleg" hqt" Gs wcn' Qr r qt wpkv{."Qhhleg" qh" Eqo o wpkecvkqpu." Qhhleg" qh" Rrcppkpi ." Cpcn{uku'cpf "Dwf i gv'cpf "yj g'Kphqto cvkqp"Tguqwtegu'Qhhleg0'

#### b. Office for Equal Opportunity (OEO)

 $\label{thm:conditional} Vj ku" Qhhkeg" ku" tgur qpukdng" hqt" r tqo qvkpi "gs wcn" go r m {o gpv" qr r qtwpkkgu" hqt" cm" QUO TG" go r m {ggu0' Vj g"uvchh" cf xkugu" cpf "cuukuvu" yj g"QUO TG" F ktgevqt "kp" ectt {kpi "qwv" yj g"Dwtgcw¢u" tgur qpukdkrkkgu" tgur vkxg" vq "Vkxrgu" X K*cpf "X K**Xqh" yj g"Ekxkri" Tki j w"Cev" qh" 3; 86. "cu" co gpf gf ="yj g" Ci g"F kuetko kpcvkqp" kp" Go r m {o gpv' Cev' qh" 3; 89="yj g" Tgj cdkrkcvkqp" Cev' qh" 3; 95="cu" y gm" cu" Gz gewkxg" Qtf gtu. "tgi wrcvqt {"i wkf grkpgu. "cpf "qvj gt" pqpf kuetko kpcvkqp" rcy u"y kyj kp" yj g" Hgf gtcn" I qxgtpo gpv0" Vj g"Qhhkeg<"$ 

- Rtqxkf gu" ngcf gtuj kr." f ktgevkqp." cpf "rqnke{"iwkf cpeg" hqt" Gswcn" Gormq{ogpvQrrqtwpkx{"\*GGQ+"Rtqitco"fgxgmqrogpv=
- Rtqxkf gu" hqt" yj g" rtqo rv." hckt" cpf "ko rctvkcn' rtqeguukpi "qh" eqo rnckpvu" qh fkuetko kpcvkqp=
- Rtqxkf gu"vgej pkecn"cuukuvcpeg"cpf "cf xkeg"vq"go r nq{ggu"cpf "o cpci gtu"qp"cm"GQ kuuvgu=

- Eqo o wpłecygu''y g''dwtgcwytu''gs wcn''go r nq {o gpv''qr r qtwpkx{ ''r qnke { ''cpf ''r tqi tco ''cpf ku''go r nq {o gpv''pggf u''vq''cm''uqwtegu''qh''lqd''ecpf kf cygu''y ky qww''tgi ctf ''vq''tceg.''eqnqt. tgrki kqp.''ugz. ''pcvkqpcn''qtki kp.''ci g''qt''j cpf kecr =
- Gpuwtgu"yi cv'c"tgcuqpcdrg"ceeqo o qf cwlqp"r tqi tco "ku"kp"r rceg"cpf "ku"ko r rgo gpvgf kp"c"hckt "cpf "vko gn{ "o cppgt=
- Gpuwtgu''y cv''cp''cn gtpc wxg''f kur wg''tguqnwkqp''r tqi tco ''ku''cxckrcdrg''hqt''dqyj ''y g''r tg/eqo r nckpv'r tqeguu''cpf ''y g'hqto cn'eqo r nckpv'r tqeguu=
- F gxgmr u." o qpkqtu" cpf "gxcnwcvgu" GGQE" O F/937" Chhkto cvkxg" Go r mq {o gpv Rtqi tco "Rmcpu'vq'r tqo qvg''gs wcn'go r mq {o gpv'qr r qtwwpkskgu=
- Eqpf wew"uwf kgu"qp"u{uwgo ke"go r m{o gpv"rtqdmgo u."cuuguugu"yj g"ghhgev'qh"r qnkekgu cpf "r tcevkegu"qp"gs wcn"go r m{o gpv."kf gpvkhkgu"go r m{o gpv"dcttkgtu."tgeqo o gpf u uqnwkqpu"cpf "f gxgmr u"y tkwgp"i wkf cpeg'hqt"o cpci go gpv="cpf
- O ckpvckpu"c"EkxkriTki j vu"Eqo r rkcpeg"r tqi tco "hqt"hgf gtcm{ "cuukuvgf "cpf "eqpf wevgf r tqi tco u0

Kp"cf f kkqp."vj g"qhhkeg"ku"tgur qpukdrg"hqt"Ur gekcn"Go r j cuku"r tqi tco u"cpf "cuukuvu"vj g"dwtgcw"kp" etgcvkpi "c"o qf gn"gs wcn"go r m{o gpv"r tqi tco "y j kej "gpuwtgu"vj cv"cm"QUO TG"go r m{ggu"cpf "cr r necpw"hqt"go r m{o gpv"j cxg"gs wcn"ceeguu0 Kv"ku"tgur qpukdrg"hqt"ko r ngo gpvkpi "kpkkkcvkxgu"kp" tgur qpug"vq"Rtgukf gpvkcn"Gz gewkxg"Qtf gtu."y j kej "r tqxkf gu"hqt"ci gpekgu"vq"y qtm"o qtg"emugn{"y kij "J kurqtkecm{"Drcen"Eqmgi gu"cpf "Wpkxgtukkgu."J kur cpke"Ugtxkpi "Kpukwwkqpu"cpf "Vtkdcn"Eqmgi gu"cpf "Wpkxgtukkgu"kp"cp"ghhqtv"vq"gpj cpeg"qr r qtwpkkgu"hqt"o kpqtkv{"ugtxkpi "kpukwwkqpu"vq" r ctvkekr cvg"cpf "dgpghkv"htqo "r tqi tco u" tgrcvgf "vq" uwthceg" eqcn'o kpkpi "cpf" tgerco cvkqp"cevkxkkgu0""

#### c. Office of Communications (OC)

Vj ku''Qhhkeg'r ncpu. "eqqtf kpcvgu. "r tqf wegu. "cpf "f kurtkdwgu''vj g''hqmqy kpi <"

Rwdrkeckqpu

Tgrqtvu

P gy u

• Xkf gq

Rj qvqu

Tgrgcugu

Hcev'Uj ggw

• Gz j kdkvu

Y gd'Eqpvgpv

 $QE"ku" ij g"r t kpekr cn" r qkpv" qh" eqpvcev" kpt "uj ct kpi "kphqto cvkqp" cdqww" QUO TG"r tqi tco u." r qrkekgu." cpf "Eqpi t guukqpcn" cevkx kkgu" y kj " yj g"r wdrke." Eqpi t guu." Ucvg" Tgi wrcvqt { "Ci gpekgu." yj g" eqcn" kpf wuxt { ."ekxk gp"i tqwr u."cpf " yj g" o gf kc0"" Vj g" QE" hcekrkvcvgu" tgs wguvu" hqt "kphqto cvkqp" htqo " yj g" pgy u" o gf kc." Eqpi t guu" cpf " yj g" r wdrke." o ckpvckpu" c" vtcenkpi " u { uvgo " vq" o cpci g" qhhkekcn" eqtt gur qpf gpeg" cpf " j cpf rgu" Htggf qo " qh" kphqto cvkqp" Cev" tgs wguvu0' " QE" cnuq" eqqt f kpcvgu" QUO TGzu" cppwcn" tgerco cvkqp" cy ctf u" yj cv" tgeqi pk g" gzegngpeg" kp" tgercko kpi " cevkxg" cpf " cdcpf qpgf "o kpgu0'$ 

#### d. Office of Planning, Analysis and Budget (OPAB)

Vj ku"Qhhkeg"ku"tgur qpukdrg"hqt"pcvkqpy kf g"r rcppkpi "cpf "cpcn{uku."cpf "dwf i gvct { "hwpevkqpu"hqt" QUOTG." kpenwf kpi "vj g" kpvgi tcvkqp" qh" qti cpk| cvkqpcn'r gthqto cpeg" o gcuwtgu" kpvq" vj g" dwf i gv'r tqeguu0"Vj g"o clqt'hwpevkqpu'qh'vj g'Qhhkeg'kpenwf g<'

- F gx grqr u" cpf " o ckpvckpu" QUO TGøu" uvtcvgi ke" r ncp" kp" eqqtf kpcvkqp" y kvj F gr ctvo gpvcn'cpf 'QUO TG'o cpci go gpv=
- Rgthqto u"vtgpf "cpcn{ugu"cpf "o qf grlpi "vq"ld gpvlh{"ej cpi lpi "pcvlqpcn"cpf "tgi lqpcn pggf u=" cpf " cpcn{| gu"rqnle{"rtqr qucnu" hqt" pgy " lpkslcvlxgu" cpf " o qf ldlecvlqpu" vq gz luvlpi "rtqi tco u="cpf
- Ecttkgu"qw" yi g"hqto wrcvkqp."rtgugpvcvkqp."gzgewkqp."cpf"cpcn{uku"qh"QUOTGøudwfigv="rtqxkfkpi"rqnke{."egpvtcn"eqqtfkpcvkqp."wpkhqto "dwfigv"rtqegfwtgu"cpfeqpvtqn="cpf"ocpcigu"QUOTGøu"kpvgthceg"ykyj"QOD"cpf"Eqpitguukqpcneqookwggu"qp"crrtqrtkcvkqpu"cpf"qyjgt"dwfigvtgrcvgf"ocwgtu0

Kp" cf f kkqp." QRCD" eqqtf kpcvgu" kpvgtpcri' eqpvtqri' cpf "qvj gt" r tqi tco " cuuguuo gpv' tgxkgy u." kp" ceeqtf cpeg"y kj "Gzgewkxg"Qtf gtu"cpf "F gr ctvo gpvcri'kpkkcvkxgu="cpf "o qpkqtu'ko r rgo gpvcvkqp"qh" tgeqo o gpf cvkqpu'htqo "gxcnvcvkqpu'cpf 'tgr qtvu'eqpf wevgf 'kpvgtpcm( 'cpf "gzvgtpcm( 0'

#### e. Information Resources Office (IRO)

 $\label{thm:condition} Vjg"Kphqto\ cvkqp"Tguqwtegu"Qhhkeg"r\ tqxkf\ gu"Kphqto\ cvkqp"Tguqwtegu"Q\ cpci\ go\ gpv'*KTQ\ +''ugtxkegu"\ q"\ vj\ g"QUO\ TG"\ cpf\ "ku"tgur\ qpuklrg"\ hqt"\ KTQ\ "uvtcvgi\ ke"\ cpf\ "qr\ gtcvkqpcri'r\ rcppkpi\ 0'\ "Vj\ g"Qhhkeg"\ rtqxkf\ gu"cf\ xkeg"\ cpf\ "cuukuvcpeg"\ vq"\ vj\ g"Fktgevqt."F\ gr\ ww{ "Fktgevqt."cpf\ "qvj\ gt"\ ugpkqt"\ QUO\ TG"\ o\ cpci\ gtu"vq"gpuwtg"\ vj\ cv'kphqto\ cvkqp"vgej\ pqrqi\ {"ku"ces\ wktgf\ ."wkrk{ gf\ "cpf\ "o\ cpci\ gf\ "kp"c"o\ cppgt"\ vj\ cv'ku"eqpuklvgpv'y\ kj\ "cr\ r\ rkecdrg"r\ qrkekgu."tgi\ wrcvkqpu."cpf\ "kpf\ wuxt{"dguv'r\ tcevkegu0'"Vj\ g"o\ clqt"\ hwpevkqpu'kpenwf\ g<''$ 

- Rtqxkf kpi "cf xkeg" cpf "cuukucpeg" vq" o cpci go gpv" cpf "go r m{ggu" qp" KV" r qnke{. cr r nkecdng'ncy u.'tgi wncvkqpu.'cpf "f ktgevkxgu=
- O ckpvckpkpi "c"o cpci go gpv"htco gy qtm"hqt"cpf "eqqtf kpcvkpi-"QUO TGøu"pcvkqpy kf g
   KV" ecr kvcn"r ncppkpi "cpf "kpxguvo gpv" eqpvtqn" cevkxkkgu. "kpenvf kpi "crrtqxcn" qh" KV gzr gpf kwtgu"y kj kp"QUO TG=
- F gxgmr kpi "cpf "ko r ngo gpvkpi "KV"uvtcvgi ke"r ncppkpi "vq"gpuwtg"vj cv'cm'qh'QUO TGøu kphqto cvkqp"u{uvgo u"ctg"cf o kpkuvgtgf "cpf "f gxgmr gf "kp"ceeqtf cpeg"y kvj "r qnkekgu mpi /tcpi g"u{uvgo u"cpf 'uvtcvgi ke'r ncppkpi =
- O cpci kpi "vj g"QUO TGøu'I gpgtcn'Uwrrqtv'U{uvgo "\*I UU+"cpf "Kphqto cvkqp"Ugewtkv{rtqi tco 'kp'uwrrqtv'qh'vj g"QUO TGøu'UO ETC'o kuukqp="cpf

• Rtqxkf kpi "KTO/tgncvgf" uwr r qtv" vq" vj g" QUO TGøu" u{uvgo " qy pgtu" vq" kpenwf g kphqto cvkqp"u{uvgo "ugewt kv{"uwr r qtv0

Kp"cffkkqp."yjg"KTQ"ocpcigu"cm"curgewu"qh"QUOTGøu"kphqtockqp"ocpcigogpv"hqy "vq"gpuwtg" i qxgtpogpv"vtcpurctgpe{."ceewtce{."cpf"tgurqpukxgpguu"vq"kphqtockqp"tgswguw0""Vjg"Qhhkeg"ku"cnq'tgurqpukdng'hqt"Tgeqtfu"Ocpcigogpv'cpf"yjg"Rtkxce{'Cev'Rtqitcou0""

#### 2. Administrative Support

Vj ku'r tqi tco "kpenwf gu''y g''cf o kpkurtcvkxg'hwpevkqpu''pgeguuct { "'vq 'uwr r qtv''y g''r tqi tco "cevkxkkgu''qh'' QUO TGO' " Vj g'' ur gekhle" hwpevkqpu'' ctg'' kpenwf gf " kp'' hqwt'' qti cpk| cvkqpcn'' ctgcu<'' Cf o kpkurtcvkxg''Hopeekcn'O cpci go gpv."cpf "Kohqto cvkqp''Vgej pqnqi { 0'

Vj ku"hwpevkqp"ku"tgur qpukdrg"hqt"o cpci kpi "QUO TGøu"hkpcpekcn"cpf "cf o kpkurtcvkxg"cevkxkkgu0"'K' j cu" r tko ct {" tgur qpukdkrkv{" hqt" ko r rgo gpvkpi " vj g" tgs wktgo gpvu" eqxgtkpi " vj g" hqmqy kpi " hkxg" Rtgulf gpvkcn" O cpci go gpv" Ci gpf c" ueqtgectf u<" ko r tqxgf " hkpcpekcn" o cpci go gpv" eqo r gvkkxg" uqwtekpi ." o cpci go gpv" qh" j wo cp" ecr kxcn" vtcpur qtvcvkqp" cpf " gpgti {" o cpci go gpv." cpf " tgcn" r tqr gtv{0""

#### a. Administration

Vj g" Fkxkukqp" qh" Cf o kpkuvtcvkqp" ku" tgur qpukdrg" hqt" f gxgrqr o gpv" qh" vj g" Dwtgcw'y kf g" cf o kpkuvtcvkxg"r qrke{"cpf"r tqegf wtgu0'"Vj g"Fkxkukqp"cnuq"ko r ngo gpvu" vj g"hqnrqy kpi "uwr r qtv" cevkxkvkgu0'

- Ces wkukkqp
- Rtqr gtv{ 'O cpci go gpv
- Xgj leng'Hrggv'O cpci go gpv
- Ur ceg'O cpci go gpv
- Go gti gpe { 'Eqqtf kpc kqp
- Gorm{gg'Uchgv{
- Gorm{gg'Qeewrcvkqpcn'J gcnyj
- Rj {ukecn'Ugewtkv{
- Fktgevkxgu'O cpci go gpv
- Rtkpvkpi 'cpf 'Rwdrkecvkqpu

Vj g"Fkxkukqp"qh"Cfo kpkuvtcvkqp"cnuq"rtqxkfgu"cfo kpkuvtcvkxg"uwrrqtv"vq"j gcfs wctvgtu"qhhlegu0" Vj gug"uwrrqtv"cevkxkukgu"kpenwfg"qhhleg"o qxgu."rtqxkukqp"qh"i gpgtcn"uwrrnkgu"cpf "ugtxkegu."cpf "o ckrtqqo "hwpevkqpu0"Vj g"Fkxkukqp"cnuq"o cpci gu"vj g"dwtgcw/y kfg"hkzgf "equv'ceeqwpvu"kp"I gpgtcn' Ugtxkegu'\lambda U+0"

Vj g"F kxkukqp"qh"Cf o kpkutcvkqp"ku"tgur qpukdrg"hqt"r tqxkf kpi "i wkf cpeg"vq"gpuwtg"QUO TG"o ggw" ku" eqo r gvkkxg" uqwtekpi "i qcnı0' "Vj g" F kxkukqp" qh" Cf o kpkutcvkqp" r tqxkf gu" i wkf cpeg" kp" yj g" eqo r rgvkqp"qh"yj g"cppwcn"HC KT "Cev"kpxgpvqt { "vq"kf gpvkh{"cm"hwpevkqpu"yj tqwi j qw"QUO TG"cpf" yj gkt" f guki pcvkqp" cu" gkyj gt" kpj gtgpvn{"i qxgtpo gpvcn" qt" eqo o gtekcn" kp" pcwtg0' "QUO TG" eqqtf kpcvgu" ku" eqo r gvkkxg" uqwtekpi "cpf" uvtcvgi ke" j wo cp" ecr kscn'r rcppkpi "vq" gpuwtg." y j gtg" r quukdrg." yj g{"uwr r qtv"cej kgxgo gpv"qh"QUO TG"i qcnı0'"QUO TG"f gxgrqr gf "cpf" eqo r rgvgf "c" eqo r gvkkxg"uqwtekpi "r rcp"yi cv"kf gpvkhkgf "vj g"hwpevkqpu"cpf "cevkxkkgu"vq"dg"uwxf kgf "vj tqwi j qw" QUO TG0'"Uwxf kgu"y gtg"eqo r rgvgf "y j gtg"cr r tqr tkcvg0'"QUO TG"f qgu"pqv'r rcp"vq"eqpf wev'cp{" hwwtg" eqo r gvkxkxg" uqwtekpi " uwxf kgu" f wg" vq" yj g" uo cm" pwo dgt" qh" HVG" kf gpvkhkgf " cu" dgkpi " eqo o gtekcn'lp'pcwtg"cpf "cr r tqr tkcvg'hqt"uwxf {0""Vj g"F kxkukqp"qh'Cf o kpkutcvkqp"cnq"o ckpvckpu"c"

r tgugpeg"qp"vj g"F gr ctvo gpvcn'Ces wkukkqp"Ur gekcn'Kpvgtguv'I tqwr "\*UK +"cu"cp"cevkxg"o go dgt"vq" gpuwtg'QUO TG"ces wkukkqp"pggf u'cpf 'tgs wktgo gpvu"ctg"o gv0""

 $\label{thm:condition} Vj g"F kxkukqp" qh" Cf o kpkıvtcvkqp" r tqxkf gu"f ktgevkqp." eqqtf kpcvkqp." cpf "ko r rgo gpvcvkqp" qh" cm" cur gevu"qh" yi g"go gti gpe{"o cpci go gpv"r tqi tco ."kpenwf kpi ."dw"pqv"rko kxgf "vq<"kpvgtpcn"r qrke{" f gxgrqr o gpv="r tqi tco "i vkf cpeg"cpf "f ktgevkqp"cu"kv'tgrcvgu"vq"go gti gpe{"tgur qpug keqpvkpvkk{"qh" qr gtcvkqpultgeqxgt{" r rcppkpi ." tgcf kpguu." cpf ." ugewtkv{=" cpf " eqqtf kpcvkqp" qh" QUO TG)u" tgur qpug ktgeqxgt{"tqrg"vq"f gerctgf "go gti gpekgu"cpf kqt"f kucuvgtu"qp"c"i qxgtpo gpv/y kf g"dcuku0'$ 

#### b. Human Resources (HR)

Vj g'Fkxkukqp"qh'I wo cp'Tguqwtegu'f gxgrqr u'cpf "kor rgo gpvu'r qrkekgu. "uvcpf ctf u'cpf "u{uvgo u'hqt" yj g"ghhgevkxg"wug"qh"j wo cp"tguqwtegu"\q"ceeqo r nkuj "yj g"qxgtcm"o kuukqp"qh"QUO TGO"Ur gekhecm(." yj g"j wo cp"tguqwtegu"r tqi tco "r tqxkf gu"o cpci gtu"cpf "go r m{ggu"cf xkeg"cpf "ygej pkecn'cuukuvcpeg" qp" y g"hwn'tcpi g"qh''j wo cp"tguqwtegu"r tqi tco u"kp"ceeqtf cpeg"y ky "QUO TG."F QK"QRO "cpf" qyi gt "hgf gtcn'r qrlekgu"cpf "i wkf grlepgu0'Vj g"F kxkukqp"r tqxkf gu"r tqeguukpi "cpf "tgeqtf "mggr kpi "qp" tgetwko gpv."uvchkpi "cpf" j ktkpi = "eqpf wew" r qukkkqp" ercuukhkecvkqp" cpf "qti cpk cvkqpcn' cpcn { uku=" cf o kpkuvgtu"r c{"cpf "eqo r gpuckqp"r tqi tco u"hqt"i gpgtcn'uej gf wrg"cpf "ugpkqt"gzgewkxg"ugtxkeg" r qukkqpu=" cf xkugu" cpf " r tqeguugu" go r mq{gg" cpf " tg\ktgo gpv' dgpghku=" qxgtuggu" r gthqto cpeg" o cpci go gpv."cy ctf u'cpf 'tgeqi pkkqp"rtqi tco u="ko r ngo gpvu"J wo cp"Ecrkxcn"kpkkcvkxgu="o cpci gu" gyj keu'cpf "hkpcpekcn'f kuenquwtg"j qrf kpi u'r tqi tco u="ko r ngo gpvu"yj g"r gtuqppgn'ugewtkv{ "\*J URF/34+" r tqeguu"hqt"dqyj "hgf gtcn"cpf "eqpvtcevqt"uvchh="r tqxkf gu"o cpf cvqt { "go r m { gg"f gxgmqr o gpv"cpf " vtckpkpi "cuukrvcpeg="cpf 'r tqxkf gu'i wkf cpeg"qp"go r m{gg'tgrcvkqpu'cpf 'y qtmr rceg'kuuwgu'kpenwf kpi " f kuckr nkpct {"cevkqpu0'" "Vj g"uvchh"j cu"eqpvkpwgf "vq"wug"cwqo cvgf "u{uvgo u"uvej "cu" O qpuvgt"  $I\ qxgtpo\ gpv''\ Uqnwkqpu''\ *O\ I\ U+"J\ ktkpi\ "Gpvgtr\ tkug."\ vj\ g"\ Hgf\ gtcn''\ Rgtuqppgn''\ cpf\ "Rc\{tqm''\ U\{uvgo\ "normalises of the content of$ \*HRRU+: "Go r m { gg"Gzr tguu. "F QKNgctpkpi "O cpci go gpv"U{ uvgo "\*NO U+: "Rgtuqppgn"Kpxguvki cvkxg" Rtqeguukpi "U{uvgo "\*RKRU+:"cpf "vj g"g/S KR"y gd"ukvg"nkpmkpi "go r m{ggu"vq"ugewtkv{"hqto u"pggf gf " hqt"dcemi tqwpf "kpxguvki cvkqpu0"Vj gug"cwqo cvgf "u{uvgo u'r tqxkf g'f ktgev'qp/rkpg'r gtuqppgrij kuvqt {" hkngu. "j wo cp" tguqwtegu "kphqto cvkqp" cpf "ugtxkegu "f ktgevn ("vq" vj g"o cpci gt. "go r nq { gg" cpf "crr nkecpv0"

Ur gelcn'qpi qkpi 'kpkkcvkxgu''y ku''qhhkeg''ku''y qtmkpi ''qp''ctg''j ki j nki j vgf ''dgmqy <''

- Grgevt qpke"VqqrlMkv<""I wo cp"T guqwtegu"y km"ko r tqxg"ghhkekgpe{"cpf"j ktkpi "vko g"d{
  ucxkpi " cm" uvchhkpi " cevkqp" f qewo gpw" \*xcecpe{" cppqwpego gpw." lqd" cpcn{uku.
  etgf kkpi " r rcpu." cpf " r qukkqp" f guetkr vkqpu+" kp" grgevtqpke" hqto cv" vq" cp" gcukn{
  ceeguukdrg" f cvcdcug0' " P gy " tgetwkso gpv" f qewo gpvcvkqp" y km" dg" cf f gf " vq" yj g
  grgevtqpke"rkdtct{"qp"c"eqpvkpvqwu"dcuku."nggr kpi "yj g"kphqto cvkqp"wr "vq"f cvg0
- Ut c vgi ke"T get vkvo gpv<""J wo cp"T guqwtegu."kp"eqplwpevkqp"cpf "eqqr gtcvkqp"y kj QUO T Gou"Qhhkeg"hqt"Gs wcn'Qr r qt wpkv{."eqpvkpwgu"vq"gzr cpf "t get wkvo gpv'qh" yi g pwo dgt "qh" y qo gp."o kpqt kxkgu."cpf "r gtuqpu"y kyi "f kucdkrkxkgu"kf gpvkhkgf "kp" wpf gt/tgr tgugpvgf "qeewr cvkqpu0"Ghhqt wi'ctg"cp"kpvgi tcn'r ctv'qh'j ktkpi "x gvgtcpu'wpf gt'tgegpv Gzgewkxg"Qtf gtu"cu"y gm0"QUO T G"r tqo qvgu"y qtmhqteg"f kxgtukv{ "cpf "vq"eqpvkpwg vq"ko r tqxg"cpf "uvtgpi yi gp"j wo cp"ecr kxcn'r tqeguu"cpf "vqqnu"vq"cwtcev'j ki j n{ "umkmgf cr r nkecpwi kp"uwr qtv'qh'dwknf kpi "c"43uv'Egpwt { "y qtmhqteg0</p>

- Ut cvgi ke"Ocpci go gpv"qh"J wo cp"Ecrkicn<""QUO TG"eqpvkpwgu" vq"ko r ngo gpv"ku y qtnhqteg" r ncp" cpf " gz gewgu" cp" cppwcn" gx cnwcvkqp" y cv" rkpmu" kpf kxkf wcn" j ktkpi f gekukqpu"o cf g"f wtkpi "y g"eqwtug"qh"y g"{gct."yi wu"go r qy gtkpi "o cpci gtu"vq"hqewu qp"f gx gnqr kpi "eqo r gvgpekgu" cpf "unkmu" pggf gf "vq" ceeqo r rkuj "QUO TG" o kuukqp i qcnt0""Vq"r tqo qvg"tgvgpvkqp"kp"r qukxkqpu"y j gtg"unkm"i cr u"j cxg"dggp"kf gpvkhkgf. QUO TG" wkrk gu"ugx gtcn"r tqi tco u"kpenwf kpi "uwwf gpv"nqcp"tgr c{o gpvu."tgnqecvkqp cmqy cpegu."cpf "tgvgpvkqp"kpegpvkxgu0""Kp"cf f kkqp."QUO TG" wugu"j qpqtct {."pqp/o qpgvct {."cpf "o qpgvct {"cy ctf u"vq"tgy ctf "go r m{ggu"dcugf "qp"vj gkt"eqpvtkdwkqpu vq"vj g"y qtm'qh"vj g"qti cpk cvkqp0"Cppwcn"cpf "vtk/cppwcn"ceeqwpvcdkrkv{"cwf kuu"ctg eqpf wevgf "vq"gpuwtg"eqo r nkcpeg"cpf "kf gpvkh{"f gpkkkgpekgu"hqt"ko r tqx go gpv0
- Jktkpi 'Tghqto <'"QUOTG"gxcnxcvgf "ku"ewttgpv'r gthqto cpeg"ci ckpuv'QRO øu": 2/f c { o qf grl'cpf "y kni"ko r ngo gpv'c"ugtxkeg"s wcrkv{ "o gvtke"vq"i cwi g"cpf "o qpkqt"r tqi tguu vqy ctf "ko r tqxkpi "ku"j ktkpi "r tqeguu0

#### c. Administrative Financial Management

Vj g"Hoppeken"O cpci go gpv"cevkkk{"hwpf gf "kp" y ku"dwukpguu"nkpg"r tqxkf gu"QUO TGxu"r tqi tco "qhhkegu" y ky "ceeqwpvkpi "cpf "hkpcpeken"ugtxkegu" hqt"qr gtcvkqpcn"hwpf u"vq"ko r ngo gpv"UO ETCO"QUO TG"cnuq"dkmu."eqmgewu"cpf "ceeqwpwu"hqt"hwpf u"f gtkxgf "htqo "r tqi tco "cevkxkkgu"tghngevgf "kp"qyi gt" dwukpguu" nkpguO' "Vj gug" ugtxkegu" kpenwf g" r c {kpi "dkmu." ceeqwpvkpi "hqt" tgegkr wu" cpf "gzr gpf kwtgu."kuuwkpi "hkpcpeken"cpf "o cpci go gpv'tgr qtvu."cuuwtkpi "yi cv'gzr gpf kwtgu"ctg"y kyi kp" yi g"cmqecvkqpu."eqmgevkpi "cf o kpkuntcvkxg"f gdvu."cpf "o ckpvckpkpi "yi g"eqo r wygt"u{uvgo u"yi cv'uwr r qtv'yi gug"hwpevkqpuO""QUO TG"cnuq"eqpvkpwgu"y qtmkpi "y kyi "yi g"F gr ctvo gpvxu"G/I qx"Vtcxgn"Ugtxkeg" \*GVU4+"vgco "qp"gpj cpego gpvu"cpf "pgy "kpkkcvkxguO""Cf f kklqpcm{"yi g"Qhhkeg"r tqxkf gu"j grr "f gum'uwr r qtv'hqt"yi g"gpf "wugtuO""

#### d. Information Technology (IT)

QUOTG" ku" f gr gpf gpv" wr qp" kphqto cvkqp" vgej pqmi {" vq" r tqxkf g" ghhkelgpv" cpf " ceewtcvg" o cpci go gpv"kphqto cvkqp"vq"cuukuv"QUOTGøu"r tqi tco "o cpci gtu"kp"ceeqo r nkuj kpi "vj g"ci gpe {øu" o kuukqp0'"Cevkxkkgu"ur cp"cm"dwukpguu"nkpgu"cpf "ctg"hwpf gf "wpf gt"qvj gt"dwukpguu"nkpgu"kp"vj g" dwf i gv"cu'y gm"cu'Gz gewkxg'F kt gevkqp0'

Kp"H[ "4238."QUO TG" egpvtcrk| gf "KV" o cpci go gpv' hwpevkqpu" y ksj kp" vj g" Dwtgcw' vq" uvtgco rkpg" o cpci go gpv'cpf 'r tqxkf g'hqt"qr gtcvkqpcn'cpf 'equv'ghhkekgpekgu0"QUO TG'y km'eqpvkpwg'vq"gxcnwcvg" uj ctgf "ugtxkeg"qr r qtwykkgu"vq" o ggv'QUO TG" o kuukqp"pggf u"cpf "gzr mtg"qr r qtwykkgu"vq"hwt vj gt" mxgtci g"xkt wcn' vgej pqmi kgu"kp"qtf gt "vq"kpet gcug"qr gtcvkqpcn' ghhkekgpekgu"cpf "j ctf gp"ku"e { dgt" ugewtkv{ 'r quwtg0'}

Vj tqwi j "ku"e {dgt"ugewtkx{"rtqi tco ."QUO TG"gpuwtgu"y g"lpvgi tkx{"qh"ku"u{uvgo u"cpf "f cvc"cuugu0" Vj g" KTQ" rtqxkf gu" yi g" dwtgcw"y kyj "u{uvgo "cuuguuo gpv"cpf "ceetgf kcvkqp"ugtxkegu"cu" y gm"cu" r gthqto kpi "eqpvkpwqwu"o qpkxqtkpi "ugewtkx{"eqpvtqnu"vq"gpuwtg"ugewtkx{"eqo r ncpeg0"Vj g" KTQ" rtqxkf gu." cu" c" eqo r qpgpv"qh" kuu" ugewtkx{" rtqi tco ." xktwu" hknygtkpi " cpf " eqpvkpwqwu" vtchke" o qpkxqtkpi "u{uvgo u"y j kej "uki pkhecpvn{"gpj cpeg"ghqtvu"vq"o cpci g"ugewtkx{"hqt"kuu"kphqto cvkqp" u{uvgo u0"Vq"gpuwtg"e {dgt "ugewtkx{"j {i kppg."yj g" KTQ"cnnq"o ckpvckpu"xwpgtcdktkx{."eqphki wtcvkqp"

o cpci go gpv."cpf "kpekf gpv"tgur qpugu"r tqeguugu"vq"gpuwtg"vko gn{ "kpuvcmcvkqp"qh"uqhvy ctg"r cvej gu" cpf 'hkzgu'y j krg'uvtgpi vj gpkpi 'kpekf gpv'j cpf nkpi 'tgur qpugu0'

Cf f kkqpcm{."go r q{gg"cy ctgpguu"cpf "eqo r ncpeg"ctg"cuuwtgf "vj tqwi j "c"eqo r tgj gpukxg"vtclpkpi " r tqi tco 0"'Cu"qh"4232."cpf "kp"tgur qpug"vq"vj g"Hgf gtcn"Kphqto cvkqp"U{uvgo u"Ugewtkv{"Cy ctgpguu" \*HKUUC+"vtclpkpi "tgs wktgo gpvu."go r q{gg"o cpf cvqt{"vtclpkpi "y cu"gzr cpf gf "vq"kpenwf g"Rtkxce{." Tgeqtf u"O cpci go gpv"cpf "Twrgu"qh"Dgj cxkqt"vtclpkpi "qp"cp"cppwcn"dcuku0"'QUO TG"cnuq"r tqxkf gu" ur gekcnk gf "cpf "tqrg/dcugf "ugewtkv{"vtclpkpi "\*TDUV+"vq"kvu"go r q{ggu"vj cv"j cxg"uki pkhlecpv"KV" ugewtkv{"tgur qpukdkrkkgu0'

Vj g" KTQ" eqpvkpwgu" vq" o cpci g" QUO TGøu" Ecr kscn' Rrcppkpi "cpf" Kpxguvo gpv' Eqpvtqrl' \*ERKE+" r tqeguu''vq" gpuwtg" yj g"dwtgcwøu''KV"kpxguvo gpv'r qt vhqnkq" tgr tgugpvu''yj g"qr vko cn'o kz "qh'vgej pqmi {"cpf" ugtxkegu" uwhhkekgpv' vq" uwr r qtv' yj g" QUO TG" o kuukqp0' "QUO TG" y qtmu" emqugn{"y kyj "FQK' eqwpvgtr ctvu'vq"gpuwtg''yj g"ERKE'r tqi tco "ku'o ckpvckpkpi "yj g"f guktgf 'tguwnu''qh'yj g'r tqi tco 0'

QUO TG" eqpvkpwgu" vq" o ckpvckp" c" eqo r tgj gpukxg" kphqto cvkqp" o cpci go gpv' ecr cdkrkv{" y j kej " kpenwf gu" c" tgur qpukxg" cpf " eqo r rkcpv' Rtkxce{" Cev' Rtqi tco " cy ctgpguu" cpf " rquu/o kki cvkqp" uvtcvgi {."cpf "Hgf gtcn'Tgeqtf u'Cev'\*HTC+"eqo r rkcpv'Tgeqtf u'O cpci go gpv'Rtqi tco 0""

#### 3. General Services

 $\label{thm:continuous} Vj ku"ku"c"hwpf kpi "cevkxkv{" vj cv' kpenwf gu" guugp vkcn' hkz gf "equvu" vq" uwr r qtv'' QUO T Gøu" r tqi tco "o kuukqpu0"P q'r gtuqppgn'qt"qr gtcvkqpcn'cevkxkvkgu"ctg''hwpf gf "d{"vj ku"eqo r qpgpv0"Vj g"equvu''dgmy "ctg" guvko cvgu"hqt"H[ "4239"cpf "tghrgev'' guvko cvgf "ej cpi gu"htqo "4238" gpcevgf "rgxgnu"cpf "cp{" mpqy p'hwwtg'r rcpu0"""}$ 

Line Item	FY 2016 Enacted	FY 2017 Estimate	Estimated Change 2016 – 2017
Tgpv'cpf 'Wkrkkgu''	8.::9.222"	8.373.222"	/958.222"
Vgrgeqo o wplecylqpu"	522.222"	522.222"	
Rquvci g"	52.222"	52.222"	
F QKY qtnkpi "Ecr kxcn'Hwpf"	4.6: 4.222"	4.6; 4.222"	- 32.222"
FQKRtqi tco "Tgs wktgo gpvu"	372.222"	372.222"	
Wpgorm{ogpv'Eqorgpucvkqp"	: .222"	6.222"	/6.222"
Y qtngt)u'Eqo r gpucvkqp''	3; 9.222"	438.222"	- 3; .222"
Dwtgcwy kf g'Rtkpkpi IUwr rkgu''	494.222"	494.222"	
Ugtxleg''Eqpvtcevu''	672.222"	672.222"	
I UC"Y qtm'Cwj qtk cvkqpu"	347.222"	347.222"	
Qr gtc:kqpcrl'Uwr r qt:v'Eqp:vtcevu=" uwej "cu'S wkenj ktg. "S wkemko g." uqhyy ctg"rkegpugu. "gwe0"	3.::;.222"	3.: : ; .222"	
Total	12,790,000	12,079,000	-711,000

#### 2016 PLANNED PROGRAM PERFORMANCE

#### Kp'4238'Rrcpu'kpenwf g<'

- Eqpvkpwg"vq"wkrkk g"vtckpkpi "cu"c"uvtcvgi {"vq"kpetgcug"ewnwtcn"eqo r gvgpekgu."tgf weg" y g pwo dgt"qh"GGQ"eqo r nckpvu"hkngf ."cpf "eqpf wev"ekxkri'tki j vu"tgxkgy u"qp"hgf gtcn'cuukuvgf "cpf hgf gtcm("eqpf wevgf "r tqi tco u0
- Ur ceg''ó 'Eqpvkpwg''vq''tgxkgy ''qrrqtwpkklgu''vq''tgf weg''QUOTGøu''ngcugf ''ur ceg''hqqvrtkpv''cpf gzrgpf kwtgu0
- Ces wkukskqp" ó" Eqpskpwg" vq" tgxkgy " qr r qtwpkskgu" vq" ko r tqxg" qxgtuki j v" qh" QUO TGøu ces wkukskqp"hwpeskqpu0
- Dwf i gv'cpf "Rgthqto cpeg" Kpvgi tcvkqp" o" Eqpvkpwg" vq" tgxkgy "qr vkqpu" hqt" dwf i gv'hqto wrcvkqp cpf "r gthqto cpeg" kp" eqplwpevkqp" y kyj "FQKou" cwqo cvgf "ghhqtwu" vq" fgxgmqr "c" dwf i gv lwuvkhkecvkqp" r tqeguu" yi cv'kpenwf gu'r gthqto cpeg" o gcuwtgu0
- Uwr r qtv'F Q Ku'H pcpekcn'C wf kv'Uvcygo gpwl'hqt''4237''cpf''42380
- Ecr kcrl'Rrcppkpi "cpf "Kpxguvo gpv'Ecr kcrl" ERKE+" 6 "Eqpf wev't gs wkt gf "gxcnwcvkqpu'hqt "cml'KV r tqi tco u'cpf "o clqt "kpxguvo gpvu0
- Kohqto cvkqp" Tguqwteg" O cpci go gpv" ó" Eqpvkpwg" vq" o cpci g" gpvgtrtkug" kohqto cvkqp tguqwtegu" eqpukuvgpv" y kyj " crrrkecdrg" twrgu" cpf " tgi wrcvkqpu." cpf " uwrrqtv" FQK KV Vtcpuhqto cvkqp"cevkxkkgu0
- Eqpvkpwg" vq" r tqxkf g" cf o kpkıntcvkxg" uwr r qtv" vq" vj g" qvj gt" hqwt" dwukpguu" nkpguô Gpxktqpo gpvcn" Tguvqtcvkqp." Gpxktqpo gpvcn" Rtqvgevkqp." Vgej pqmi {"F gxgmqr o gpv" cpf Vtcpulgt."cpf "Hlpcpekcn"O cpci go gpvô vq"cej kgxg"vj g"i qcm'hqt"r gthqto cpeg"lf gpvkhkgf "kp vj g'I qcn'Rgthqto cpeg"Vcdmg0
- Rtqxkfg" gf weckqpcn' cpf "gormq{ogpv' qrrqtwpkkgu" vq" {qwj "kp" vjg" ctgcu" qh eqoo wpkeckqpu."dwfigv''cpf "rncppkpi."kphqtockqp" vgej pqmqi {."cwfkkpi."cpf "igpgtcncfokpkuvtckqp0
- Eqpvtkdwg"vq"yi g"ceeqo r nkij o gpwl"qh"yi g"F gr ctvo gpvxu"Utcvgi ke"Rncp"cpf "J ki j "Rtkqtkx{ I qcni"cu"f guetkdgf "kp"yi g"I gpgtcn"Uvcvgo gpv0

#### 2015 PROGRAM ACCOMPLISHMENTS

Kb"4237. 'vj g"o clqt"ceeqo r rkuj o gpwi'kp"vj g"Gzgewkxg"F ktgevkqp"r tqi tco "cevkxkvf"kperwf g<"

- Rtqeguugf "GGQ"cpf "Vkwp"XK'rtqi tco "eqo r nckpvu."eqpf wevgf "ekxkn"tki j vu"eqo r ncpeg tgxkgy u."cpf "rtqxkf gf "GGQ"cpf "f kxgtukv{ "vtckpkpi "qrrqt wvpkkgu"vq"cm"QUO TG"o cpci gtu. uwrgtxkuqtu"cpf "go r nq { gguO
- Tgf wegf "QUOTGøu"ngcugf "ur ceg"hqqvr tlpv"d { "eqpvlpvvlpi "vq"eqpuqnkf cvg"ur ceg"y kij "qvj gt Dwtgcwu0
- F gxgmr gf "cpf "dgi cp" ko r ngo gpvkpi "cp" ces wkukkqp y qtmqteg uvtwewtg0
- Dwf i gvlRgthqto cpeg"ó"O cpci gf "ej cmgpi gu"qh"dwf i gv"wpegtvclpv{."cpf "r tqxlf gf "hwpf lpi vq"yj g"j ki j guv'r tlqtkx{ "pggf u0
- Uwr r qt vgf "vj g"F gr ct vo gp v⁄u"Hopcpekcn" Uvc vgo gp v"C vsf ku "hqt "4236" cpf "4237" vq" gp uwt g uwdo kuukqp "qh' vko gn{"cpf "eqo r ng vg"f grkx gt cd ng u0
- Uwrqtvgf "FQK' Hkpcpekcn' O cpci go gpv' ko rtqxgo gpw" cpf "u{uvgo "eqpxgtukqpu" hqt hkpcpekcn'tgrqtvkpi 0
- Cej kgxgf "; ; 'r gtegpv'r tqo r v'r c{ "qp"xgpf qt"r c{o gpw0
- Ecr kcn'Rrcppkpi "cpf "Kpxguvo gpv'Ecr kcn'\*ERKE+"ó"Eqo r rgvgf "tgs wkt gf "gxcnwcvkqpu'hqt"cm KV"r tqi tco u"cpf "o clqt "kpxguvo gpvu0
- Rtqxkf gf " cf o kpkntcvkxg" uwr r qtv" vq" vj g" qvj gt" hqwt" dwukpguu" nkpguô Gpxktqpo gpvcn
  Tguvqtcvkqp." Gpxktqpo gpvcn' Rtqvgevkqp." Vgej pqmi {"F gxgmr o gpv" cpf "Vtcpuhgt." cpf
  Hkpcpekcn'O cpci go gpvô vq"cej kgxg"vj g"ceeqo r nkuj o gpvu"uj qy p"kp"vj g"I qcn'Rgthqto cpeg
  Vcdng0
- Rtqxkf gf " gf weckqpcn" cpf " go r mq {o gpv" qr r qt wypkkgu" vq" {qwj " kp" yj g" ct gcu" qh eqo o wykeckqpu. "dwf i gv. "kyhqto ckqp" yej pqmi {."cwf kkpi ."cpf "i gpgtcn'cf o kykntckqp0
- Eqpvtkdwgf "vq"yj g"ceeqo r nkuj o gpvu"qh"yj g"F gr ctvo gpvxu"Utcvgi ke "Rrcp"cpf "J ki j "Rtkqtk\{
   I qcru"cu"f knewnigf "kp"yj g"I gpgtcri"Ucvgo gpv0

Qllkeg"qllUut læg"O kpkpi "Tgemo cvkqp"cpf 'Gplqtego gpv"

# TAB 9 Permanent Appropriations

#### PERMANENT APPROPRIATIONS

# ALLOCATIONS TO STATES AND TRIBES TRANSFERS TO UNITED MINE WORKERS OF AMERICA HEALTH BENEFIT FUNDS INVESTMENTS TO ADDRESS IMPORTANT LEGACY COSTS IN COAL COUNTRY"

QUO TG"tgegkxgu"o cpf cvqt {"hwpf kpi "vq"f kntkdwg"i tcpuu"vq"Ucvgu"cpf "Vtkdgu"cpf "vtcpuhgtu"vq" yi tgg"j gcnj "dgpghk/"r rcpu"yi cv"ctg"r ctv"qh"yi g"Wpkgf "O kpg"Y qtngtu"qh"Co gtkec"J gcnj "cpf" Tgyktgo gpv\"Hwpf u"\*yj g"yj tgg"j gcnj "dgpghk/"yi cv"tgegkxg"hwpf kpi "wpf gt"UO ETC"ctg"eqngevkxgn{" tghgttgf "vq"cu"yj g"õWO Y C"J gcnj "Dgpghk/"Rrcpuö+0'"Vj gug"r c {o gpwu"ctg"f gtkxgf "htqo "yj g" Cdcpf qpgf 'O kpg"Tgerco cykqp"Hwpf "\*CO N"Hwpf +"cpf "I gpgtcn"Vtgcuwt {0""

\_

<sup>; &</sup>quot;Retypgtuj kru"hqt"Y qtmhqteg"epf "Geqpqo ke"Tgxkxcnk| cvkqp" \*RQY GT+0"

**Table 11 – Permanent Appropriation Estimates** 

\*f qmctu'kp''o kmkqpu+"

	1 411	cturp o ning			
	FY 2015	FY 2016	FY 2017 Estimates		Change from 2016 Enacted to
Permanent Appropriation	Actuals*	Enacted*	Current	Proposed	2017 Proposed
Payment (or Grants) to States					
in Lieu of Coal Fee Receipts	58.8	303.4	60.7	0	-303.4
(U.S. Treasury Funds)**					
• Rtkqt'Dcmpeg'Tgrmego gpv					
Rc{o gpvu, , ,	2"	2"	2"	2"	
I tcpw'\q'pqpegt\Мgf "Ucvgu"	]2_"	]2_''	]2_''		
I tcpw/\q"egtvWkgf "Ucvgu"cpf ""					
Vt kdgu''	]2_"	]2_''	]2_''		
<ul><li>Kp''Nkgw'Rc{o gpw'vq</li></ul>					
Egt with gf "Uvcvgu'cpf "Vtkdgu	7: 0 "	52506"	8209"	2"	
Mandatory Grants to					
Noncertified States (AML	167.8	163.1	174.3	174.3	+11.2
Fund)					
Uwcyg''cpf ''Vtkdcn''Uj ctg	5702"	5309"	570 "	570 "	
J knyqtke 'Eqch'Uj ctg	3360 "	33503"	33: 08"	33: 08"	
O kp'Rtqi tco 'O cng'Wr	390, "	3: 05"	3; 0; "	3; 0, "	
Reclamation/Redevelopment	0	0	0	200	+200
Subtotal- Payments to States					
and Tribes	226.6	466.5	235	374.3	-92.2
Rc{ogpwu'\q'WOYC'Jgcnj' Dgpghk/'Rrcpu'*CON'Hwpf'' Kovgtguv+"	530 "	4; 03"	7203"	7203"	- 43"
Uwr r ngo gpwn'Rc{o gpwn''vq" WOYC"J gcnyj "Dgpghky'Rncpu" *Vtgcuwt{"Hwpfu+"	3630)"	37266"	33608"	33608"	/570 "
Pgy 'Rc{ogpwl'vq''WOYC'Hwpfu'' *Vtgcuwt{'Hwpfu+"				59706"	- 59706"
Subtotal- Payments to UMWA					
Health Benefit Plans	173.5	179.5	164.7	540.1	+360.4
Total Mandatory Funding	400.1	646	399.7	914.4	+268.4
Subtotal from AML Fund	199.6	192.2	224.4	424.4	+232.2
Subtotal from Treasury	200.5	453.8	175.3	490	+36.2

<sup>,</sup> Kpenwf gu't gf werkqpu'f wg''vq''ugs wguvt crkqp0

<sup>, ,</sup> HI "4238"Gpcevgf "kpenvf gu"cpf "cf f kkqpcn" k4630, "o kmqp"r tqxkf gf "wpf gt "Rwdrke" Ncy "336/; 60"

<sup>, , ,</sup> H "4236"y cu'y g'rcuv'{ gct 'hqt 'f kutkdwkqp"qh'r tkqt 'dcrcpeg'tgr rcego gpv'hwpf u0"

# GOAL<"VQ'FKUVTKOWVG'HWPFU'VQ'UVCVGU'CPF"VTKOGU'HQT"VJG'TGENCOCVKQP"QH"VJG'JKLJGUV'RTKQTKV['EQCN'UKVGU'CPF"VTCPUHGT"HWPFU'VQ"VJG'WOYC"JGCNVJ"DGPGHKV'RNCPU"

Qpg"qh"yi g"dcuke"eqpegr w"qh"UO ETC"j cu"dggp"vq"ej cti g"c"hgg"qp"eqcn"r tqf wevkqp"vq"hlpcpeg"yi g" tgemo cvkqp"qh"cdcpf qpgf "o kpg"mpf "\*CO N+"cetquu"yi g"eqwpvt {0"T gemo cvkqp"hggu"ctg"f gr qukxgf " kp" yi g"Cdcpf qpgf "O kpg"Tgemo cvkqp"Hwpf "\*CO N"Hwpf +"cpf "f kuvtkdwgf "yi tqwi j "yi g"cppwcn" cr r tqr tkcvkqpu"r tqeguu"vq"Uvcvgu"cpf "Vtkdgu"hqt"tgemo cvkqp"cpf "vq"QUO TG"hqt"cf o kpkuvcvkxg" gzr gpugu0"Kp"4228."co gpf o gpvu"vq"UO ETC"gzvgpf gf "yi g"cwyi qtkv{"vq"eqmgev'yi g"tgemo cvkqp"hgg" cpf "cnygtgf "yi g"f kuvtkdwkqp"qh"r c {o gpvu"dgi kppkpi "kp"422:  $\vec{0}^2$ 

#### Collection of Reclamation Fees

Tgenco cvkqp"hggu"eqmgevgf "ctg"r ncegf "kp" yi g"CO N"Hwpf 0" "Kp"4235." yi g"tgenco cvkqp"hgg"y cu" tgf wegf "vq<"4: "egpwlvqp"qh"uwthceg"o kpgf "eqcn="34"egpwlvqp"qh"eqcn!o kpgf "wpf gti tqwpf ="cpf": "egpwlvqp"qh"rki pkvg="qt"vgp"r gtegpv"qh" yi g"xcnwg"qh" yi g"eqcn! "\*wy q"r gtegpv"qh" yi g"xcnwg"qh" yi g" kii pkvg+." yi kej gxgt"ku"nguu0" "Vqvcn"hgg"tgegkr w"hqt"H[ "4237"ctg"guvko cvgf "vq"dg"42: 09"o knkqp0" Tgenco cvkqp"hgg"eqmgevkqpu"ctg"r tko ctkn{"f kuvtkdwgf "yi tqwi j "o cpf cvqt {"i tcpw"vq"pqpegtvkhgf" Ucvgu"\*yi qug"Ucvgu"y kyi "tgo ckpkpi "eqcn'cdcpf qpgf"o kpg"ncpf "r tqdngo u+0""Vj g"tgo ckpkpi "hwpf u" eqngevgf "ctg"cxckrcdng"hqt"f kuetgvkqpct {"crrtqrtkcvkqpu0""

Kpvgtguv'ceetwgu''qp''y g''CO N''Hwpf 0"'Vj ku''kpvgtguv''gctpgf ''dgeqo gu''r ctv''qh''y g''CO N''Hwpf ''cpf ''ku'' cxckrcdrg''hqt''vtcpuhgt''vq''y g''Wpkvgf ''O kpg''Y qtngtu''qh''Co gtkec''J gcnj ''cpf ''Tgvktgo gpv''Hwpf u''kp'' qtf gt''vq''j grr ''hkpcpeg''y tgg''j gcnj ''ectg''r rcpu''\*eqnrgevkxgn{ ''tghgttgf ''vq''cu''y g''ŏWO Y C''J gcnj '' Dgpghkv'Rrcpuö+0"'

#### Allocation and Distribution of Reclamation Funds to States and Tribes

I gpgtcm{."Ucvgu"o ww"j cxg"cp"crrtqxgf "UO ETC"tgi wrcvqt {"\*Vkwg"X+"rtqi tco "cpf "cp"crrtqxgf" tgerco cvkqp"\*Vkwg"KX+"rtqi tco "vq"dg"grki kdrg"vq"tgegkxg"o cpf cvqt {"CO N"hwpf kpi 0""Vj tgg"Vtkdgu" \*Etqy ."J qrk"cpf "P cxclq+"ctg"grki kdrg"hqt"hwpf kpi "vj tqwi j "vj g"CO N"rtqi tco ."cpf "gcej "j cu"cp" crrtqxgf "tgerco cvkqp"rtqi tco 0""Cu"r ctv"qh"vj g"4228"co gpf o gpwl"vq"UO ETC."Vgppguugg"cnuq" dgeco g"grki kdrg"hqt"CO N"rtqi tco "hwpf kpi "cnij qwi j "kv"f qgu"pqv"j cxg"cp"crrtqxgf "tgi wrcvqt {"rtqi tco 0"C"vqvcn'qh'wy gpv{/hkxg"Uvcvgu"cpf "vj tgg"Vtkdgu"tgegkxgf "tgerco cvkqp"hwpf kpi "kp"" H[ "4237="qh'vj gug."hkxg"Uvcvgu"cpf "cm'vj tgg"Vtkdgu"j cxg"egtvkhkgf "eqo r rgvkqp"qh"eqcn'cdcpf qpgf "o kpg"rcpf "rtqdrgo u0'

Co gpf o gpwl'vq"UO ETC"ukpeg"4228"j cxg"kpenwf gf "Rwdrke"Ncy "P q0334/363"\*'ugevkqp"322347"qh" O qxkpi "Cj gcf "hqt"Rtqi tguu"kp"vj g"43"\Egpwt {"Cev+."cpf "Rwdrke"Ncy "335/62"\*ugevkqp"32\*f +"qh vj g"J grkwo "Uvgy ctf uj kr "Cev'qh"4235+"y j kej "y gtg" gpcevgf "kp"4234"cpf "42350" Vj gug" w q" co gpf o gpwl"r tqxkf gf "rko kxcvkqpu"qp"vj g"co qwpv'qh"hwpf u"f kwtkdwyf "vq"vj g"egtvkhkgf "Uvcvgu"cpf"

<sup>&</sup>quot;QUOTG"r wdrkuj gf "tgi wrckqpu"ko r ngo gpvkpi "vj g"Cev"\*P qxgo dgt "36."422: .'95"HT "89798+:"y j kej "dgeco g"ghhgevkxg"qp"Lcpwct { "35."422; 0"

#### CON'Hwpf"

P qpegt while f "Ucvgu"ctg"cmqecvgf "o cpf cvqt { "i tcpvu"htqo "vj g"CO N"Hwpf "dcugf "qp"vj g"tgenco cwlqp" hggu"eqmgevgf "vj g"r tgxkqwu"hkuecn" { gct0" "Vj g"co qwpv"qh"vj g"i tcpv"hqt"gcej "pqpegt while f "Ucvg"ku" f gvgto kpgf "vj tqwi j "c"hqto wnc"vj cv"cf f u'vj g"hqmy kpi "cmqecvkqpu<"

- 30 J crh'qh't genco cykqp'hggu'eqmgeygf 'kp'y cy'Uvcyg'\*inpqy p'cu'y g'Uvcyg'Uj ctg=
- 40 C"Uvcvgou"r qtvkqp"qh"52' "qh"cm"tgenco cvkqp"hggu"eqmgevgf "pcvkqpy kf g"cpf "vj g"co qwpv"qh vj g"UvcvgIVtkdcn"Uj ctg"hqti qpg"d{"egtvkhkgf"Uvcvgu"cpf"Vtkdgu="gcej "Uvcvgou"r qtvkqp"ku f gvgto kpgf "r tqr qtvkqpcm("dcugf "qp"vj g"co qwpv"qh"eqcn"r tqf wevkqp"kp"vj cv"Uvcvg"r tkqt"vq 3; 99"\*mpqy p"cu"J kuvqtke"Eqcn"Uj ctg=="cpf"
- 50 Cp{"co qwpv'pggf gf "vq"gpuwtg"yj cv'gcej "pqpegtvkhkgf "Ucvg"tgegkxgu"cv'rgcuv'&5"o krrkqp cppwcm{"\*mpqy p"cu'yj g'O kpko wo "Rtqi tco "O cmg'Wr "Hwpf u+0

UO ETC"ur gekhgu" yi g" grki kdrg" wugu" qh" gcej "qh" ur gekhe" cmqeckqp0' "Cm' hwpf kpi "r tqxkf gf " q" pqpegtkhkgf "Uvcygu"ecp"dg" wugf "vq"cf f tguu" j c| ctf u"cpf "r tqdrgo u"qp"cdcpf qpgf "eqcri'o kpg"rcpf u." uwej "cu" wpf gti tqwpf "hktgu." uwdukf gpeg. "rcpf urkf gu."qr gp"uj chw. "wpuvcdrg"qt" dwtpkpi "tghwug"r krgu." cekf "o kpg"f tckpci g. "cpf "f cpi gtqwu. "wpuvcdrg"j ki j y cmu0" Uqo g"qh"yi g"cmqeckqpu"ctg" tguvtkevgf "vq" wug"qp"yi g"j ki j guv"r tkqtkv{ "eqcri'o kpg"uksgu. "klg0"o kpko wo "r tqi tco "o cmg" wr "hwpf u." y j krg"qyi gt" cmqeckqpu"o c{"dg" wugf "vq"cf f tguu"r tqdrgo u"uwej "cu"y cvgt" uwr r rkgu"cf x gtugn{ "chhgevgf" d{ "eqcri'o kpkpi."klg0" Uvcvg"Uj ctg0" "Kp"egtvckp"ektewo uvcpegu. "Uvcvg"Uj ctg"cpf" J krvqtke "Eqcri'Uj ctg" hwpf u" o c{"cnq"dg" wugf "vq" tgercko "egtvckp" pqp/eqcri'uksgu." uwej "cu"cdcpf qpgf" j ctf tqeri'o kpg" rcpf u0" Y guvgtp" Uvcvgu. "kp"r ctvke wrct. "qhvgp "wug"yi gkt" tgerco cvkqp "hwpf u" q"cf f tguu"j ki j "r tkqtkv{"j ctf tqeri' CO N'uksgu. "hqt"y j kej "yi gtg"ku"pq"qyi gt" uqwteg"qh" Hgf gtcri'hwpf kpi 0""""

Hqt"H[ "4239."QUO TG"gurko cvgu"pqpegtvkhkgf "Uvcvgu"y km'tgegkxg"&9665"o kmkqp"kp"i tcpwu"htqo " yi g"CO N"Hwpf "\*&570"o kmkqp"kp"Uvcvg"Uj ctg="&33: (8"o kmkqp"kp"J kwqtke"Eqcn'Uj ctg="cpf" &3; (), " o kmkqp"kp"O kpko wo "Rtqi tco "O cmg"Wr "Hwpf u+0""Vj ku"gzenwf gu"yi g"ko r cev'qh'yi g"r tqr qucn'yq" cf xcpeg"cdcpf qpgf "o kpg'tgerco cvkqp"cpf "tgxkxcnkj cvkqp"qh'eqcn'eqwpvt {"eqo o wpkxkgu0"

Rwdrle 'Ncy "P q0334/397' "ugevkqp"364"qh' y g'Eqpvkpwkpi "Crrtqrtkcvkqpu'T guqnwkqp" hqt '4235+" gpcevgf "rcpi wci g'uq' y cv' y g'wpegtvkhkgf "Uvcvgu' y gtg'pqv' korcevgf "d{" y g'ho kcvkqpu'r wwkp'r rceg" qp" egtvkhkgf "Uvcvg' cpf" Vtkdg'hwpf kpi "d{" y g'4234" cpf" 4235 tghgtgpegf" cogpf ogpvu0

#### Vtgcunt{"Hwpfu"

O cpf cvqt { 'r c {o gpvu'htqo 'vj g''Vtgcuwt { 'vq''pqpegt vkhkgf "cpf 'egt vkhkgf ''Uvcvgu''cpf ''Vtkdgu''ct g''cnuq'' cmqecvgf ''d { 'hqto wrc<''

- 30 Rtkqt"Dcmpeg"Tgrmego gpv"hwpf u"ctg"qpg/ugxgpyj "qh"yj g"wpcrrtqrtkcvgf "dcmpeg"qh"gcej Ucvg"qt"Vtkdguø"UcvgIVtkdcn"Uj ctg"cu"qh"Qevqdgt"3."42290""Rtkqt"Dcmpeg"Tgrmego gpv hwpf u"ecp"dg"wugf "hqt"cp{"r wtrqug"crrtqxgf "d{"vj g"Ucvg"ngi kumwtg"qt"Vtkdcn"eqwpeknuy kij "rtkqtkx{"i kxgp" vq"cfftguukpi "vj g"korcewu"qh"o kpgtcn"fgxgnqro gpv0" "Rwtuwcpv" vq ugevkqp"633\*j +\*3+\*E+"qh"UOETC." vj gug"hwpf u"ctg"fkuvtkdwgf "qxgt"ugxgp"hkuecn" {gctu dgi kppkpi "kp"H[ "422: ="vj wu."H[ "4236"y cu"vj g"muv"{gct"vj cv"rtkqt"dcmpeg"tgrmego gpv hwpf u'y gtg"fkuvtkdwgf "vq"pqpegtvkhkgf"cpf "egtvkhkgf"Ucvgu'cpf "Vtkdgu0
- 40 Kp"rkgw'r c {o gpvu"vq"egtvkhkgf "Uvcvgu"cpf "Vtkdgu"ctg"gs wcn"vq"j cnh"qh"vj g"tgenco cvkqp"hggu eqnrgevgf "kp"vj cv"Uvcvg"qt"Vtkdg"kp"vj g"r tgxkqwu"hkuecn'{gct0"Kp"H[ "4238"egtvkhkgf "Uvcvgu"cpf Vtkdgu"y km"tgegkxg"&52506"o kmkqp."kpenwf kpi "vj g"&4630; "o kmkqp"r tqxkf gf "hqt"wpf gt"vj g HCUV"Cev0"Vj gug"r c {o gpvu"ecp"dg"wugf "hqt"cp{"r wtr qug0

 $\label{thm:continuous} Wpf gt "ewttgpv'ncy ."vqvcn'o cpf cvqt {"r c {o gpvu"vq"Ucvgu"cpf "Vtkdgu"htqo "Vtgcuwt {"hwpf u"kp"4239" ctg"guvko cvgf "vq"dg"&8209"o kmkqp0"Vtgcuwt {"hwpf u"r ckf "vq"y g"Ucvgu"cpf "Vtkdgu"ctg"uwdlgev'vq"cp" qxgtcm'&6; 2"o kmkqp"ecr "qp"cm'cppwcn'vtcpuhgtu'htqo "y g"Vtgcuwt {"wpf gt"y g"4228"co gpf o gpvu"vq" UO ETC ."k0g0"hqt"H[ "4238 ."cm'kp"hgw'r c {o gpvu"vq"egt \khkgf "Ucvgu"cpf "Vtkdgu"cpf "vtcpuhgtu'vq"y g" WO Y C"J gcny "Dgpghky'Rncpu0" \label{eq:continuous} WO Y C"J gcny "Dgpghky'Rncpu0" \label{eq:continuous} \label{eq:continuous$ 

#### **Transfers (or Payments) to the UMWA Health Benefit Plans**

 $\label{thm:problem} \begin{tabular}{l} $K_0^* = K_0^* - K_0^* + K_0^$ 

- Cppwcn'vtcpuhgtu"qh'cm'guvko cvgf "CO N"Hwpf "kpvgtguv'gctpkpi u"hqt"gcej "hkuecn'{gct"vq"y g WOYC"J gcnyj "Dgpghk/'Rrcpu."vq"y g"gzvgpv'rc{o gpvu"htqo "rtgo kwo u"rckf "d{"qrgtcvqtu cpf "qy gt"uqwtegu" "klg0"rc{o gpvu"htqo "qy gt"Hgf gtcn'ci gpekgu'hqt"dgpghkv'rwtrqugu+fq"pqv o ggv"y qug"rrcpuø'gzrgpf kwtg"pggf u."uwdlgev'vq"egtvckp"nko kvcvkqpu0""Vtcpuhgtu"wpf gt"y g ewttgpv'rcy "dgi cp"kp"4229"vq"y g"EDH'cpf "kp"422: "vq"y g"3;; 4"cpf "3;; 5"Rrcpu0
- Vj g"WO Y C"J genj "Dgpgłk/Rrcpu"ctg"cnuq"gpvkrgf "vq"r c {o gpvu"htqo "vj g"Vtgcuwt {."y j kej ctg"uwdlgev"vq"vj g"uco g"qxgtcml%6; 2"o knlqp"ecr "qp"cmlcppwcnlvtcpuhgtu"htqo "vj g"Vtgcuwt { wpf gt"vj g"4228"co gpf o gpvu"vq"UO ETC0
- Kp"i gpgtcn"yi g"co qwpv'qh"yi g"vtcpuhgtu"vq"yi g"WO Y C"J gcnji "Dgpghkv"Rrcpu"ku"f gr gpf gpv qp" yi g"gzvgpv"yi cv" yi gkt"tgxgpwgu"f q"pqv"o ggv" yi gkt"gzr gpf kwtgu0" "Y j gp" yi cv"qeewtu. QUO TG"y km'vtcpuhgt"cxckrcdrg'hwpf u"kp"yi g'hqmqy kpi "qtf gt "cu"pggf gf <</p>

- o Gurko evgf "kpvgtgur"\q"dg"getpgf "d{"yj g"CO N"Hwpf "f wtkpi "yj g"hkuecn"{get "kp"s wgurkqp0
- $\\ \odot Wpcrrtqrtkcvgf "dcrcpeg"qh"vj~g"TCO~R"cmqecvkqp0"*P~qvg<"Hwpf~u"y~gtg"gzj~cwuvgf~"cu"qh~vj~g"H[~"4232"f~kwtkdwkqp0+$
- Vtcpuhgtu"htqo "vj g"WUU"Vtgcuwt {."uwdlgev"vq"vj g"&6; 2"o kmkqp"ecr "qp"cppwcn"vtcpuhgtu htqo "Vtgcuwt {"vq"dqvj "vj g"WO Y C"J gcnvj "Dgpghkv"Rrcpu"cpf "vj g"Uvcvgu"cpf "Vtkdgu0
- Tgugtxg'hwpf "etgcvgf 'htqo "gzkuvkpi 'uvtcpf gf 'kpvgtguv'gctpgf 'd{ 'vj g'CO N'Hwpf 0

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#### Legislative Proposal

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Hktuv." yi g"dwf i gv"r tqr qugu" vq"ceegrgtcvg" i tcpwu"hqt"c"r qt kqp"qh" yi g"tgo clpkpi "wpcr r tqr tkcvgf" dcrepeg"qh" yi g"CO N"Hwpf "vq" vcti gv" yi g"ergcpwr "cpf" tgf gxgrqr o gpv"qh"grki kdrg" rcpf u"cpf "y cvgtu." kgo" rcpf "y cvgtu"chhgevgf "d{" j kuvqtke "eqcn" o kpkpi "r tcevkegu" yi cv" y gtg"cdcpf qpgf "qt" rghv" kp" cp kpcf gs wcvg" tgerco cvkqp" uvcwu"r tkqt" vq" yi g"gpcevo gpv"qh" UO ETCO" Vj g"r tqr qucn" y km"r tqxkf g" 83" dkmkqp" qxgt "hkxg" \*7+" { gctu" vq" Ucvgu" vq" cf f tguu" yi gug" rcpf u"cpf" y cvgt" kp" c"o cppgt" yi cv" hceknkcvgu" uwuckpcdrg" tgxkcrkl cvkqp" kp" geqpqo kecm {"f gr tguugf" eqcnhkgrf" eqo o wpkkkgu0" "Vj ku"r tqr qucn" y km' vcti gv" hwpf u"vq" r tqlgewu" dcugf "qp" yi g"gzkunkpi "CO N"Rtqi tco "etksgtkc." y j kej "kpenwf gu" tgcvo gpv" qh" cdcpf qpgf "o kpg" f tckpci g="j qy gxgt." yi gug" r tqlgewu" y qwf" cnuq" pggf" vq" dg" nqecvgf" kp" c" eqcn" tgi kqp" yi cv" o ggwu" cf f kkqpcn" geqpqo ke" grki kdkrk{" hcevqtu." uwej " cu" yi g" wpgo r m{o gpv" tcvg" cpf" dg" f guki pgf "vq" hceknkcvg" geqpqo ke" cpf" eqo o wpkx{"f gxgrqr o gpv0" Hwpf kpi "hqt" yi g"cf o kpkuntcvkqp" qh" yi ku"r tqi tco "ku"cnuq" kpenwf gf" kp" yi ku"r tqr qucn""

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c"dtqcf gt"ghqtv'vq"uwr r qtv'tgerco cvkqp."cpf "geqpqo ke"cpf "eqo o wpkx{ "f gxgrqr o gpv'vj cv'dgpghku" cm'Uvcygu"cpf "Vtkdgu'y ky "CO N"r tqi tco u"cpf "r tqxkf gu'hqt'hwwtg'hwpf kpi 0""

#### Tghqto 'Hwpf kpi 'hqt'Cdcpf qpgf 'Eqcn'O kpg'Ncpf 'Engcp/wr"

 $\label{thm:condition} \begin{tabular}{l} $U$ cycle for the condition of the condition of$ 

#### Tguvqtg'y g'Tgerco cvkqp'Hgg'Tcvgu"

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#### Kbetgcug'Hwpf kpi 'hqt'J ctf tqem'Cdcpf qpgf 'O kpg'Ncpf 'Engcp/wr"

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3; ; 5"Dgpghk/"Rrcp"d{"eqxgtkpi "cm'dgpghkekctkgu"gptqmgf "kp" yi g"Rrcp"cu"qh' gpcevo gpv'qh' yi ku" rtqr qucn'cu'y gm'cu''yi qug''tgvktggu'y j qug''j gcnj "dgpghku'y gtg''f gpkgf "qt''tgf wegf "cu''yi g''tguwn'qh'c" dkwo kpqwu''eqcn'kpf wwt{"dcpm wr ve{"rtqeggf kpi "eqo o gpegf 'kp''42340"Cf f kkqpcm(.''yi g''rtqr qucn'' y km'tgs wktg''yi g''tcpuhgt"qh''cf f kkqpcn'hwpf u''vq''yi g''Rgpukqp"Dgpghky'I wctcpv{"Eqtr qtcvkqp"hqt''yi g" r wtr qug"qh''gpuwtkpi "yi g''mpi /vgto "uqrxgpe{"qh''yi g"3; 96"WO Y C''Rgpukqp"Rrcp"cpf "Vtww''\*3; 96" Rgpukqp"Rrcp+0' "Vj g"3; 96"Rgpukqp"Rrcp."y j kej "eqxgtu"o qtg" yi cp"322.222"o kpgy qtngtu."ku" uki pkhkecpvn{"wpf gthwpf gf "cpf "cr r tqcej kpi "kpuqrxgpe{0"'Vj gug''vcpuhgtu''y qwrf "eqpvkpwg'wpvkn'yi g" 3; 96''Rgpukqp''Rrcp'ku'hwm{"hwpf gf 0'''"'

Table 12: Mandatory Funding for States and Tribes, FY 2015-2017
(\$ rounded in millions)

·	(\$ rounded in mi	(llions)			
C4040/Twith o		,	Hypothetical		
State/Tribe	2015 Actual	2016 Enacted	For FY 2017"  Current Propose		
Credco c"	608	606	60	60	
Creune"	40	40	502	502	
Ctnepucu"	40	40	502	502	
Eqmtcf q"	504	503	506	506	
Krkpqkı"	3709	3709	3809	3809	
Kpf kcpc"	907	906	90	90	
Kqy c"	40	40	502	502	
Mcpucu"	40	40	502	502	
Mgpwem("	3: 04	3908	3: 07	3:07	
Oct{rcpf"	40	40	502	502	
O kuqwtk'	40	40	502	502	
P gy 'O gzleq"	40	40	502	502	
Pqty 'Fcmqvc''	40	40	502	502	
Qj kq"	; 04	:0	; 06	; 06	
Qmej qo c"	40	40	502	502	
Rgppu{nxcpkc"	6602	6502	6706	6706	
Vgppguugg"	40	409	502	502	
Wcj "	305	306	303	303	
Xkti kpkc"	60	608	702	702	
Y guv'Xkti kpkc"	5305	4; <b>(9</b> )	5403	54 <b>B</b>	
Sub-total for noncertified States	167.8	163.1	174.3	174.3	
Nqvkukepe"	Œ	(B)	Œ		
O kuukuukr r K'	05	Œ	Œ		
О дрюрс"	603	606	608		
Vgzcu"	308	307	307		
Y {qo kpi "	6; 0,	7502	730		
Etqy "	0	0	Q		
J qr K'	05	05	05		
Pexelq'Peskqp"	309	305	306		
Sub-total for certified States and	58.8	61.5	60.7	0	
Tribes					
CO N'Ukg'Tgenco cvkqp fTgf gxgmqr o gpv'					
Total for All States/Tribes	226.6	224.6	235.0		
Source of Mandatory Funding:	T		1		
CO N'Hwpf	3890	385®	39605	39605	
Vtgcuvit { Papegtwiker "Ucvgu'ctg" i qug" i cv'i cxg" tgo ckokoi "eqcn'CON" }	7: 0	8307	8209	2	

P qpegtvkhlgf "Ucvgu'ctg" ij qug" ij cv'j cxg" tgo ckpkpi "eqcn'CON'r tqdrgo u"vq" cff tguu0" Egtvkhlgf "Ucvgu'cpf "Vtkdgu" j cxg" egtvkhlgf "ij cv'j gtg" ctg" pq" tgo ckpkpi "eqcn'CON'r tqdrgo u0"H ("4237" hki wtgu" tghrgev'c" tgf wevkqp" qh'905" r gtegpv'qh'y g"f kunkduwkqp" f wg"vq" ugs wguntcvkqp0"H ("4238" hki wtgu" tghrgev'c" 80' "tgf wevkqp" f wg"vq" ugs wguntcvkqp0" "

Tghgtgpegu</br>
"RON0/32; /654."\*UOETC"\*Cogpfogpvu'\*Cev'qh'4228="RON0/334/363."\*OCR/43="RON0/334/397."\*yjg"\*Eqpvkpvkpi "Crrtqrtkcvkqpu'\*Tguqnvvkqp"hqt"4235="cpf"
RON0/335/62."\*Vjg"\*Jgrkvo"\*Ugyctfujk"\*Cev'qh'42350"\*Vjg"\*Hj"\*4238"\*hki wtgu"\*fq"pqvkpenvfg"cp"cffkkqpcn'84630;"okndqp"rtqxkfgf"vq"Y{qokpi "wpfgt"RON0/336/;60

Qllleg"qllUut læg"O kpkpi "Tgemo cvkqp"cpf 'Gplqtego gpv"

# TAB 10 Budget Exhibits

### **BUDGET EXHIBITS**

Exhibit A: Working Capital Fund Tables

(\$ in thous	ands)			
Activity/Office	2015 Revised	2016 Pres Budget	2016 Revised	2017 Estimate
FBMS Infrastructure Hosting & Support	176.9	192.9	192.9	197.6
FBMS Master Data Management	1.3	0.0	0.0	0.0
FBMS Business Integration Office	178.2	192.9	192.9	197.6
Aviation Management	8.3	13.0	13.0	11.0
Office of Aviation Services	8.3	13.0	13.0	11.0
Mail and Messenger Services	118.9	115.4	115.4	114.7
Safety, Environmental, and Health Services	63.1	61.3	61.3	60.9
Shipping/Receiving & Moving Services	37.5	38.2	38.2	37.9
Vehicle Fleet	2.1	2.6	2.6	2.6
Personal Property Accountability Services (formerly Property	52.6	47.2	47.2	46.9
Interior Complex Management & Svcs	56.2	43.1	43.1	42.9
Departmental Library	0.3	0.3	0.3	5.8
Mail Policy	2.2	1.9	1.9	1.8
Conference and Special Events Services	88.8	87.8	87.8	87.2
Space Management Services	30.8	27.3	27.3	27.2
Office of Facilities & Administrative Services	452.7	425.2	425.2	428.0
		<u> </u>		
Subtotal OS Shared Services	639.1	631.1	631.1	636.6
			<u></u>	
Document Management Unit	48.5	0.0	0.0	0.5
FOIA Tracking & Reporting System	18.6	16.8	16.8	22.5
Office of the Executive Secretariat	67.1	16.8	16.8	23.0
				·
Departmental News and Information	6.6	8.6	8.6	8.4
Departmental Museum	7.1	8.1	8.1	8.0
Secretary's Immediate Office	7.1	8.1	8.1	8.0
FedCenter	1.9	1.9	1.9	1.9
Compliance Support ESF-11/ESF-11 Website	2.3	2.3	2.3	2.3
Solid Waste Management Data base	0.0	2.5	0.0	0.0
Sustainability Council Support and Bureau/Office Interface	0.0		0.0	0.0
Office of Environmental Policy and Compliance	4.2	4.2	4.2	4.2
Invasive Species Council	23.8	24.0	24.0	24.0
Invasive Species Council	4.3	4.4	4.4	4.4
Office of Policy Analysis	28.1	28.4	28.4	28.4
• • •				_
Passport and Visa Services	0.7	0.0	0.0	0.0
International Affairs Office	0.7	0.0	0.0	0.0
CPIC	1.6	1.4	1.4	1.4
Office of Budget	1.6	1.4	1.4	1.4

(\$ in thous	sands)			
Activity/Office	2015 Revised	2016 Pres Budget	2016 Revised	2017 Estimate
Financial Statement, Internal Controls & Performance Report	3.6	4.6	4.6	4.6
Travel Management Center	2.3	1.5	1.5	2.3
e-Travel	13.4	8.1	8.1	12.4
Office of Financial Management	19.3	14.2	14.2	19.3
Space Management Initiative	2.6	2.5	2.5	2.5
Interior Asset Disposal System O&M	2.5	2.5	2.5	2.5
Office of Property and Acquisition Management	5.1	5.0	5.0	5.0
Planning and Performance Management	8.5	8.3	8.3	8.2
Office of Planning and Performance Management	8.5	8.3	8.3	8.2
Department-wide Worker's Compensation Program Coordination	2.8	2.7	2.7	2.7
OPM Federal Employment Services	2.7	2.6	2.6	2.6
Accessibility and Special Hiring Programs (Formerly ATC)	4.5	4.3	4.3	4.2
Human Resources Accountability Team	4.7	4.6	4.6	4.5
Employee and Labor Relations Tracking System	0.2	0.2	0.2	0.2
Consolidated Employee Assistance Program	5.6	5.1	5.1	5.0
		ş <del></del> -		0.0
Office of Human Resources	20.5	19.5	19.5	19.3
EEO Complaints Tracking System	0.3	0.4	0.4	0.4
Special Emphasis Program	0.3	0.3	0.3	0.3
Office of Civil Rights	0.6	0.6	0.6	0.6
Occupational Safety and Health	11.0	10.5	10.5	10.4
Safety Management Information System	8.8	8.4	8.4	8.4
Office of Occupational Health and Safety	19.8	19.0	19.0	18.8
Leadership Development Programs	6.8	6.6	6.6	6.6
Dept-Wide Training Programs (including Online Learning)	15.7	15.6	15.6	15.6
Learning & Performance Center Management	9.9	10.0	10.0	9.5
DOIU Management	4.8	4.6	4.6	4.6
DOI University	37.2	36.8	36.8	36.2
Security (Classified Information Facility)	3.5	3.6	3.6	3.6
Law Enforcement Coordination	5.0	4.8	4.8	4.8
Security (MIB/SIB Complex)	449.5	469.6	469.6	466.5
Victim Witness Coordinator	1.3	1.3	1.3	1.3
OLES Detailees - Training and Compliance	0.0	Ţ	0.0	5.8
Office of Law Enforcement and Security	459.3	479.3	479.3	481.9
Interior Operations Center	15.8	15.3	15.3	15.1
Emergency Preparedness (COOP)	6.8	6.5	6.5	6.5
Emergency Response	8.6	8.3	8.3	9.5
MIB Emergency Health and Safety	10.5	11.0	11.0	11.0
Federal Executive Board	1.9	1.9	1.9	1.9

(\$ in thous	ands)			
Activity/Office	2015 Revised	2016 Pres Budget	2016 Revised	2017 Estimate
Alternative Dispute Resolution (ADR) Training	0.4	0.3	0.3	0.3
Collaborative Action and Dispute Resolution	0.4	0.3	0.3	0.3
Conservation and Educational Partnerships	2.2	2.1	2.1	2.1
Office of Human Resources	2.2	2.1	2.1	2.1
CFO Financial Statement Audit	235.8	230.3	230.3	174.5
Ethics	3.8	3.7	3.7	3.6
FOIA Appeals	3.0	3.0	3.0	0.6
Office of the Solicitor	6.8	6.7	6.7_	4.2
Subtotal OS Activities	974.3	932.7	932.7	887.9
IT Transformation Planning (ITT)	58.0	50.0	50.0	55.5
Office of the Chief Information Officer	58.0	50.0	50.0	55.5
Enterprise Directory Services	14.2	26.4	26.4	29.5
IT Asset Management	5.1	6.1	6.1	7.3
IOS Collaboration	5.5	6.8	6.8	6.9
Unified Messaging	5.7	7.6	7.6	11.1
ITD Desktop Services	0.0	0.0		
Office of IT Service Delivery - End User Services	30.6	46.9	46.9	54.8
Privacy and Civil Liberties	5.1	5.4	5.4	6.8
Identity Credential Access Management (ICAM)	7.3	7.2	7.2	6.2
Threat Management	28.9	50.2	50.2	60.3
Information Systems Sercuity Operatons (ISSO)	9.1	1.5	1.5	2.2
ITD PPCD Privacy Records	2.8	0.0	0.0	0.0
Office of Information Assurance (OIA)	6.1	4.6	4.6	8.8
Assessment & Authorization Services	2.1	1.7	1.7	2.0
IT Security	2.0	1.7	1.7	7.8
Enterprise Continuous Diagnostics and Monitoring	6.9	6.2	6.2	6.3
Enterprise Security Information & Event Mgmt Solution (SIEM)	14.8	13.4	13.4	13.5
Office of Information Assurance	85.0	91.9	91.9	113.9
Hosting Services	3.2	6.8	6.8	3.8
Electronic Records Management	15.8	23.4	23.4	25.5
Solutions, Design and Innovation (SDI)	3.0	7.8	7.8	7.4
Geospatial Services	0.0	1.7	1.7	1.7
E-Forms	-			12.9
Office of Information and Technology Management	18.8	32.8	32.8	47.4
Enterprise Services Network	109.8	60.9	60.9	33.9
Federal Relay Service	0.4	1.7	1.7	1.7
MIB Data Networking	32.7	37.3	37.3	37.5

Activity/Office	2015 Revised	2016 Pres Budget	2016 Revised	2017 Estimate
ITD Telecommunication Services	74.9	95.1	95.1	96.0
ITD Integrated Digital Voice Communications System	58.3	79.1	79.1	78.6
Enterprise Services Network - Central Bill Pass Throughs	163.2	118.4	118.4	144.0
Office of IT Service Delivery - Telecommunications Services	439.4	392.6	392.6	391.7
Enterprise Service Desk	0.0	5.8	5.8	0.0
Office of IT Service Delivery - Customer Support Services	0.0	5.8	5.8	0.0
Enterprise Resource Management	10.2	0.0	0.0	0.0
Office of Business Operations	10.2	0.0	0.0	0.0
Architecture & IT Portfolio Performance Management	31.5	29.1	29.1	28.7
Independent Verification and Validation - Risk Mgmt	13.2	14.2	14.2	15.5
IT Budget Formulation & Portfolio Development	23.5	18.1	18.1	23.1
e-Government Initiatives (WCF Contributions Only)	141.3	116.2	116.2	117.5
Subtotal IT Shared Services	854.7	804.3	804.3	851.8
FPPS	108.6	108.8	102.0	101.5
		0.0		
Employee Express (Passthrough)	0.0		3.4	4.6
HR Systems Integration Framework (HRSIF)	0.0		4.6	4.9
IBC Human Resources Directorate	108.6	108.8	110.0	110.9
Transportation Services (Household Goods)	5.0	5.0	5.0	5.1
		0.0		
IBC Acquisitions Services Directorate	<del>*************************************</del>	0.0	t <del> </del>	16 ·
Subtotal Interior Business Center	113.6	113.8	115.0	116.0
TOTAL	2,581.7	2,481.8	2,483.1	2,492.2

(\$ in thous	ands)	2016	2016	2017
Activity/Office	Actual	Pres Budget	Estimate	Estimate
Reimbursable Mail Services	348.7	345.2		
Creative Communications	5.2	5.9	4.8	4.9
Office of Facilities & Administrative Services	353.9	351.1	4.8	4.9
Office of Valuation Services	**************************************	***************************************		
Office of Aviation Services	3		8	
Subtotal OS Shared Services	353.9	351.1	4.8	4.9
Secretary's Immediate Office			8	
Office of Environmental Policy and Compliance			ty	_
Office of Policy Analysis	·	<u></u>	P	
Office of Budget	** <u></u>	· ·	(1	
Single Audit Clearinghouse	0.1	0.1	0.1	0.1
Office of Financial Management	0.1	0.1	0.1	0.1
e-OPF	8.8	8.1	8.1	8.1
	0.0	1.9	0.0	0.0
Office of Human Resources	8.8	10.0	8.1	8.1
Equal Employment Opportunity (EEO) Investigations	1.4	3.9	3.9	3.9
Office of Civil Rights	1.4	3.9	3.9	3.9
Equal Employment Opportunity (EEO) Training	2.5	2.5	2.5	2.5
Office of Civil Rights	2.5	2.5	2.5	2.5
SESCDP	0.0		9.1	0.0
DOI University (DOIU)	0.0		9.1	0.0
Online Learning	7.3	5.6	5.6	5.6
Consolidated Direct Billed Leadership & Perf Centers	19.9	19.9	20.1	20.3
DOI University	27.2	25.5	25.7	25.9
Office of Law Enforcement, Security, and Emergency Management		_	3	
Office of Law Enforcement and Security				
Office of Law Enforcement and Security			10 10	
Federal Flexible Savings Account (FSA) Program	2.9	2.9	2.6	2.6
Department-wide Programs	2.9	2.9	2.6	2.6
Subtotal OS Activities	42.8	44.9	52.0	43.1
Unified Messaging	52.1	59.0	59.0	70.1

(\$ in thous	ands)	2016	2016	2017
Activity/Office	Actual	Pres Budget	Estimate	Estimate
IOS Collaboration	5.0	5.6	5.6	5.6
Office of IT Service Delivery - End User Services	57.1	64.6	64.6	75.7
Anti-Virus Software Licenses	15.5	15.5	15.5	15.5
Identity, Credential Access Management (ICAM)	54.6	56.0	56.0	56.0
Data at Rest Initiative	1.7	1.7	1.7	1.8
End Point Manager Licenses				86.8
Office of Information Assurance	71.8	73.2	73.2	160.1
Data Center Consolidation and Cloud Planning, Analysis and Integration	4.9	5.8	5.8	5.8
Office of IT Service Delivery - Hosting Services	4.9	5.8	5.8	5.8
ESRI Enterprise Licenses	110.7	112.7	112.7	115.8
Electronic Records Management	25.0	28.2	28.2	33.5
Office of Information and Technology Management	135.7	140.9	140.9	149.3
Enterprise Services Network	102.0	101.9	101.9	101.9
EID Rack Space	21.7	21.4	21.4	22.5
ISSO ITD Telecommunications	7.1	8.0	8.0	8.0
Office of IT Service Delivery - Telecommunications Services	130.8	131.3	131.3	132.4
Customer Support Ctr Division (CSCD) - Customer Support Center	96.3	98.8	98.8	101.6
Office of IT Service Delivery - Customer Support Services	96.3	98.8	98.8	101.6
Subtotal IT Shared Services	496.6	514.7	514.7	624.9
Payroll & HR Systems	45.9	46.3	31.1	32.2
Payroll & HR Systems (Passthrough)			15.1	15.1
IBC Human Resources Directorate	45.9	46.3	46.2	47.3
Indirect Cost Negotiations - DOI Support	9.7	8.0	8.0	23.3
IBC Financial Management Directorate	9.7	8.0	8.0	23.3
		0.0		
IBC Acquisitions Services Directorate		0.0		
Subtotal Interior Business Center	55.5	54.3	54.2	70.6
TOTAL	948.9	965.0	625.7	743.5

### **Exhibit B: MAX Tables/Budget Schedules**

**Regulation and Technology** Program and Financing (dollars in millions)

14-1801-0	2015 Actual	2016 Estimate	2017 Estimate
Obligations by program activity:			
00.02 Environmental Protection	92	92	90
00.03 Technology Development & Transfer	14	14	21
00.04 Financial Management	1	1	1
00.05 Executive Direction & Administration	16	16	16
09.00 Total new obligations	123	123	128
Budgetary resources:			
10.00 Unobligated balance:			
Unobligated balance brought forward, Oct 1	27	30	32
10.21 Recoveries of prior year unpaid obligations	3		
10.50 Unobligated balance (total)	30	30	32
<b>Budget Authority:</b>			
Appropriations, discretionary			
11.00 Appropriation	123	123	128
1101 Appropriation (special or trust fund)	2		
11.60 Appropriation discretionary total	125	123	128
Spending authority from offsetting collections, discretionary:		120	120
17.00 Collected		2	2
17.50 Spending authority from offsetting collections, disc (total):		2	2
19.00 Budget authority (total)	125	125	130
19.30 Total budgetary resources available <b>Memorandum (non-add) entries</b> :	155	155	162
19.40 Unobligated balance expiring	-2		
19.41 Unexpired unobligated balance, end of year	30	32	34
Change in obligated balance			
Unpaid obligations:			
30.00 Unpaid obligations brought forward, Oct 1	54	56	41
30.10 Obligations incurred, unexpired accounts	123	123	128

14-1801-0	2015 Actual	2016 Estimate	2017 Estimate
30.20 Outlays (gross)	-116	-138	-129
30.40 Recoveries of prior year unpaid obligations, unexpired	-3		
30.41 Recoveries of prior year unpaid obligations, expired	-2		
30.50 Unpaid obligations, end of year	56	41	40
32.00 Obligated balance, end of year	56	41	40
Budget authority and outlays, net:			
Discretionary:			
40.00 Budget authority gross	125	125	130
Outlays gross:			
40.10 Outlays from new discretionary authority	58	85	89
40.11 Outlays from discretionary balances	58	53	40
40.20 Outlays gross (total)	116	138	129
Offsets against gross budget authority and			
Offsetting collections (collected from):			
40.34 Offsetting governmental collections		-2	-2
40.70 Budget authority, net (discretionary)	125	123	128
40.80 Outlays, net (discretionary)	116	136	127
41.80 Budget authority, net (total)	125	123	128
41.90 Outlays, net (total)	116	136	127

14-5015-0	2015 Actual	2016 Estimate	2017 Estimate
Obligations by program activity:			
00.01 Environmental Restoration	6	99	10
00.02 Technology Development & Transfer	3	4	6
00.03 Financial Management	6	6	6
00.04 Executive Direction & Administration	7	8	8
00.05AML Funded Grants to States	237	163	174
00.06 UMWA and other benefits	32	29	50
09.00 Total new obligations	291	309	254
Budgetary resources: Unobligated balance:			
10.00 Unobligated balance brought forward, Oct 1	35	37	42
10.01 Discretionary unobligated balance brought forward, Oct 1	35	37	
10.21 Recoveries of prior year unpaid obligations	66	5	5
10.50 Unobligated balance (total)	101	42	47
<b>Budget Authority:</b>			
Appropriations, discretionary			
11.01 Appropriation (special fund)	27	117	30
11.60 Appropriation, discretionary (total)	27	117	30
Appropriations, mandatory:			
12.01 Appropriation (AML & RAMP transfers to UMWA)	32	29	50
12.01 Appropriation (AML Grants to States)	181	163	174
12.60 Appropriations, mandatory (total)	200	192	224
19.00 Budget authority (total)	227	309	254
19.30 Total budgetary resources available	328	351	301

14-5015-0	2015 Actual	2016 Estimate	2017 Estimate
Change in obligated balance:			
Obligated balance, start of year (net):			
30.00 Unpaid obligations, brought forward, Oct 1 (gross)	310	304	295
30.10 Obligations incurred, unexpired accounts	291	309	254
30.20 Outlays (gross)	-231	-313	-269
30.40 Recoveries of prior year unpaid obligations, unexpired Obligated balance, end of year (net):	-66	-5	-5
30.50 Unpaid obligations, end of year	304	295	275
Memorandum(non-add)entries 31.00 Obligated balance start of year	310	304	295
32.00 Obligated balance end of year <b>Budget authority and outlays net:</b>	304	295	275
40.00 Budget authority, gross Outlays, gross:	27	117	30
40.10 Outlays from new discretionary authority	19	99	26
40.11 Outlays from discretionary balances	13	4	18
40.20 Outlays, gross (total)	32	103	44
40.70 Budget authority, net (discretionary)	27	117	30
40.80 Outlays, net (discretionary)	32	103	44
Mandatory: 40.90 Budget authority, gross Outlays, gross	200	192	224
41.00 Outlays from new mandatory authority	43	74	98
41.01 Outlays from mandatory balances	156	136	127
41.10 Outlays, gross (total)	199	210	225
41.60 Budget authority, net (mandatory)	200	192	224
41.70 Outlays, net (mandatory)	199	210	225
41.80 Budget authority, net (total)	227	309	254
Memorandum (non-add) entries			
50.00 Total investments, SOY: Federal securities: Par Value	2,811	2,806	2,812
50.01 Total investments, EOY: Federal securities: Par Value	2,806	2,812	2,785

14-1803-0	2015 Actual	2016 Estimate	2017 Estimate
Obligations by program activity:			
00.01 Prior Balance Payments to non- Certified States	30		
00.02 Prior Balance Payments to Certified States and Tribes	15		
00.03 In Lieu Payments to Certified States and Tribes	59	305	61
09.00 Total new obligations (object class 41.0)	104	305	61
Budgetary Resources:			
Unobligated balance:			
10.00 Unobligated balance brought forward, Oct 1	3		
10.21 Recoveries of prior year unpaid obligations	43	2	2
10.50 Unobligated balance (total)	46	2	2
Budget authority:			
Appropriations, discretionary:			
11.60 Appropriation, discretionary (total)			
Appropriations, mandatory:			
12.00 Appropriation	63	305	61
12.60 Appropriation, mandatory (total)	58	303	61
19.00 Budget authority (total)			
19.30 Total budgetary resources available	104	305	63
Memorandum (non-add) entries			
19.41 Unexpired unobligated balance, end of year			2
Change in obligated balance:			
Unpaid obligations:			
30.00 Unpaid obligations, brought forward, Oct 1 (gross)	538	439	507
30.10 Obligations incurred, unexpired accounts	104	305	61
30.20 Outlays (gross)	-160	-235	-128
30.40 Recoveries of prior year unpaid obligations, unexpired	-43	-2	-2
30.50 Unpaid obligations end of year	439	507	438

Office of Surface Mining Reclamation and Enforcement

Memorandum(non-add) entries: 31.00 Obligated balance, start of year 32.00 Obligated balance, end of year	538 439	439 507	507 438
14-1803-0	2015 Actual	2016 Estimate	2017 Estimate
Budget authority and outlays (net):  Mandatory: 40.90 Budget authority, gross	58	303	61
Outlays, gross:			
41.00 Outlays from new mandatory authority	1	30	6
41.01 Outlays from mandatory balances	159	205	122
41.10 Outlays, gross (total)	160	235	128
41.60 Budget authority, net (mandatory)	58	303	61
41.70 Outlays, net (mandatory)	160	235	128
41.80 Budget authority, net (total)	58	303	61
41.90 Outlays, net (total)	160	235	128

14-1803-4	2015 Actual	2016 Estimate	2017 Estimate
Obligations by program activity:			
00.03 In Lieu Payments to Certified States and Tribes			
09.00 Total new obligations (object class 41.0)			
Budgetary Resources:			
Budget authority:			
Appropriations, discretionary			
11.60 Appropriation, discretionary (total)			
Appropriations, mandatory:			
12.00 Appropriation			-61
12.60 Appropriations, mandatory (total)			-61
19.00 Budget authority (total)			
19.30 Total budgetary resources available			-61
Change in obligated balance:			
Unpaid obligations:			
30.00 Unpaid obligations, brought forward, Oct 1 (gross)			
30.10 Obligations incurred, unexpired accounts			
30.20 Outlays (gross)			6
30.50 Unpaid obligations, end of year			6
31.00 Obligated balance, start of year			
32.00 Obligated balance, end of year			6
Budget authority and outlays, net:			
Mandatory:			
40.90 Budget authority, gross			
Outlays, gross:			-61
41.00 Outlays from new mandatory authority			
41.60 Budget authority, net (mandatory)			-6
41.70 Outlays, net (mandatory)			-61
41.80 Budget authority, net (total)			-6
41.90 Outlays, net (total)			-61
			-6

14-1804-0	2015 Actual	2016 Estimate	2017 Estimate
Obligations by program activity:			
00.01 Direct program activity	142	150	115
09.00 Total new obligations (object class 25.2)	142	150	115
Budgetary resources:			
Budget authority:			
Appropriations, mandatory (total):			
12.00 Appropriation	142	150	115
12.60 Appropriations, mandatory (total)	142	150	115
19.30 Total budgetary resources available	142	150	115
Change in obligated balance:			
30.00 Unpaid Obligations brought forward, Oct 1			
30.10 Obligations incurred, unexpired accounts	142	150	115
30.20 Outlays (gross)	-142	-150	-115
<b>Budget authority and outlays, net:</b>			
Mandatory:			
40.90 Budget authority, gross	142	150	115
Outlays (gross:			
41.00 Outlays from new mandatory authority		150	115
41.60 Budget authority, net (mandatory)	142	150	115
41.70 Outlays, net (mandatory)	142	150	115
41.80 Budget authority, net (total)	142	150	115
41.90 Outlays, net (total)	142	150	115

# **Summary of Requirements by Object Class** Regulation and Technology Program and Financing

(dollars in millions)

	FY 201	6 Estimate	DOI-wi	de Changes	Program	Changes	FY 2017	Request
Object Class	<u>FTE</u>	Amount	<u>FTE</u>	Amount	<u>FTE</u>	Amount	<u>FTE</u>	Amount
11 Personnel Compensation								
11.1 Full-time Permanent	345	29			+21	+3	366	32
11.X All other salaries								
Total Personnel Compensation	345	29	0	0	+21	+3	366	32
Other Object Classes								
12.1 Personnel Benefits		9				+3		12
21.0 Travel and transportation of persons		1				+1		2
23.1 Rental Payments to GSA		3						3
23.2 Rental Payments to Others		1						1
25.2 Other Services		9				+2		11
26.0 Supplies and materials		1						1
31.0 Equipment		1						1
41.0 Grants, subsidies and contributions		69				-4		65
99.0 Subtotal, obligations, Direct obligations		123				+5		128
Reimbursable obligations								
11.1 Personnel compensation: Full-time permanent								
99.0 Subtotal, obligations, Reimbursable								
99.5 Below reporting threshold								
99.9 Total requirements	345	123	0	0	+21	+5	366	128

#### Summary of Requirements by Object Class Abandoned Mine Reclamation Fund

Program and Financing (dollars in millions)

	FY 2016 Estimate		DOI-wide Changes		Program Changes		FY 2017 Request	
Object Class	<u>FTE</u>	Amount	<u>FTE</u>	Amount	FTE	Amount	FTE	Amount
11 Personnel Compensation				-				
11.1 Full-Time Permanent	143	13			+6	+1	149	14
Total Personnel Compensation	143	13			+6	+1	149	16
Other Objects								
12.1 Personnel Benefits		4				+1		5
21.0 Travel and trans of persons		1						1
23.1 Rental Payments to GSA		2						2
23.3 Communications, utilities and misc.		0						0
25.2 Other Services		36				+22		58
31.0 Equipment		0						0
41.0 Grants, subsidies and Contributions		253				-79		174
99.9 Below reporting threshold								
Total Requirements	143	309	_	_	+6	-55	149	254

Regulation and Technology Object Classification (dollars in millions)

14-1801-0	FY 2015 Actual	FY 2016 Estimate	FY 2017 Estimate
Direct Obligations:			
Personnel Compensation:			
1111 Full-time permanent	28	29	32
1113 Positions other than full-time permanent	*	*	*
1115 Other Personnel Compensation	*	*	*
1119 Total Personnel Compensation	-	-	-
1121 Personnel Benefits	9	9	12
1130 Benefits for former Personnel	*	*	*
1210 Travel and Transportation of Persons	1	1	2
1220 Transportation of Things	*	*	*
1231 Rental Payments to GSA	3	3	3
1232 Rental Payments to Others	1	1	1
1233 Communications, Utilities and Misc. Charges	*	*	*
1240 Printing and Reproduction	*	*	*
1251 Advisory and assistance services	*	*	*
1252 Other Services	8	9	11
1257 Operation and maintenance of equipment	*	*	*
1260 Supplies and Materials	1	1	1
1310 Equipment	1	1	1
1410 Grants, Subsidies and Contributions	71	69	65
1420 Insurance Claims	*	*	*
1430 Interest and Dividends	*	*	*
9999 Subtotal, Direct Obligations	123	123	128
Reimbursable Obligations:			
2111 Full-time permanent (Reimbursable)	*	*	*
2252 Other Services	*	*	*
9995 Below reporting threshold			
9999 Total Obligations	123	123	128

### **Abandoned Mine Reclamation Fund**

14-5015-0	FY 2015 Actual	FY 2016 Estimate	FY 2017 Estimate
Direct Obligations:			
Personnel Compensation:			
1111 Full-time permanent	12	13	14
1113 Positions other than full-time permanent	*	*	*
1115 Other Personnel Compensation	*	*	*
1119 Total Personnel Compensation	-	-	-
1121 Personnel Benefits	3	4	5
1210 Travel and Transportation of Persons	1	1	1
1231 Rental Payments to GSA	2	2	2
1232 Rental Payments to Others	*	*	*
1233 Communications, Utilities and Misc. Charges	*	*	*
1252 Other Services from non-Federal sources	36	36	58
1310 Equipment	*	*	*
1410 Grants, Subsidies and Contributions	237	253	174
9999 Total Obligations	291	309	254

### **Abandoned Mine Reclamation Fund**

14-1803-0	FY 2015 Actual	FY 2016 Estimate	FY 2017 Estimate
Direct Obligations:			
14.10 Direct obligations: Grants, Subsidies and Contributions	104	305	61

### **Abandoned Mine Reclamation Fund**

14-1803- 4	FY 2015 Actual	FY 2016 Estimate	FY 2017 Estimate
Direct Obligations:			
14.10 Direct obligations: Grants, subsidies and contributions			-61

### **Abandoned Mine Reclamation Fund**

14-1804-0	FY 2015 Actual	FY 2016 Estimate	FY 2017 Estimate
Direct Obligations:			
12.52 Direct obligations: Other services	142	150	115

Qllkeg"qllUxthreg"Okpkpi "Tgenro cxkqp"cpf "Gphqtego gpv"

#### **Exhibit C: Employee Count by Grade**

# DEPARTMENT OF THE INTERIOR Office of Surface Mining Reclamation and Enforcement

	FY 2015 Actual	FY 2016 Estimate	FY 2017 Estimate
Executive Level	1	1	1
SES	7	7	7
subtotal	8	8	8
GS/GM-15	24	24	24
GS/GM-14	51	58	58
GS/GM-13	105	117	130
GS-12	128	143	150
GS-11	26	33	40
GS-10	0	0	0
GS-9	30	36	36
GS-8	8	8	8
GS-7	26	38	38
GS-6	7	7	7
GS-5	5	8	8
GS-4	11	14	14
GS-3	3	3	3
GS-2	0	0	0
subtotal	424	489	516
Total employment (actual/projected)			
at end of fiscal year	431	497	524

Note: This is employee count projected at the end of each fiscal year and not FTE levels.

Qhheg''qh'Umheg''Ohphpi~'Tgenco~cvkqp''cpf~'Gphqtego~gpv''

# TAB 11 AML Accomplishments

#### Qllkeg"qll'Unt læeg"O kpkpi "Tgerco cvkqp"cpf "Gphqtego gpv"

#### **AML Reclamation Accomplishments**

J kırıqtlecn'F cvc''Vj tqwi j "Ugr vgo dgt''52.''4237'' Rtlqtk\{ ''3.''4.''cpf''5''

Problem Type	Units	Number of Units	GPRA Acres	Cost of Completed Reclamation	Remaining Reclamation Costs	
Bench **	Acres	695	695	2,966,523	14,681,003	
Clogged Streams	Miles	728	3,579	57,703,159	64,428,618	
Clogged Stream Lands	Acres	19,547	24,463	208,199,738	206,060,528	
Dangerous Highwalls	Feet	3,443,188	49,863	463,599,522	883,144,114	
Dangerous Impoundments	Count	1,711	9,296	53,709,735	28,486,974	
Industrial/Residental Waste (Priority 1 & 2)	Acres	1,286	1,284	5,444,146	11,763,797	
Dangerous Piles & Embankments	Acres	13,068	13,016	255,095,968	305,483,330	
Dangerous Slides	Acres	3,866	3,884	208,200,679	95,633,922	
Equipment/Facilities **	Count	760	81	7,522,003	5,630,446	
Gases: Hazardous Explosives	Count	46	46	580,343	2,369,001	
Gobs (Coal Waste Piles) **	Acres	7,044	7,038	93,504,244	82,558,316	
Highwall **	Feet	240,852	3,442	18,603,288	1,288,360,407	
Hazardous Equipment & Facilities	Count	5,070	1,215	29,955,255	27,350,094	
Haul Road **	Acres	701	701	9,099,905	4,489,564	
Hazardous Water Body	Count	825	4,331	48,147,698	73,997,650	
Industrial/Residential Waste **	Acres	263	263	1,849,992	887,502	
Mine Opening **	Count	1,003	101	4,318,985	15,029,142	
Other (*)(**)		2,820	N/A	10,133,511	23,923,033	
Polluted Water: Agricultural & Industrial	Count	415	2,049	41,710,479	80,530,946	
Polluted Water: Human Consumption	Count	49,752	230,854	346,455,608	3,020,840,958	
Portals	Count	12,128	1,235	62,861,866	38,054,694	
Pits **	Acres	2,929	2,930	21,255,645	45,199,911	
Subsidence	Acres	8,216	8,198	382,700,341	593,533,377	
Spoil Area **	Acres	87,355	85,019	80,539,217	450,350,978	
Surface Burning	Acres	1,557	1,556	55,655,904	19,876,479	
Slurry **	Acres	2,817	2,817	33,047,970	8,666,256	
Slump **	Acres	730	725	6,746,738	100,093,009	
Underground Mine Fire	Acres	1,701	1,900	98,253,349	841,146,866	
Vertical Opening	Count	6,761	728	45,396,388	32,770,174	
Water Problems (*)(**)	Gal/Min	41,613	N/A	50,558,522	956,359,984	
Total			461,307	\$ 2,703,816,720	\$ 9,321,701,072	

<sup>\*</sup> Not converted to GPRA Acres

Note: GPRA Acres are non-acre measures (feet of highwalls or number of portals that are converted by formula to acres. GPRA acres are used to measure program performance). Includes Acid Mine Drainage, Coal Interim Site Funding, Coal Insolvent Surety Site Funding, and Pre-SMCRA Coal State/Tribe Programs, Water Supply Restoration Program, and Certified Program Coal Reclamation.

Source: Abandoned Mine Land Inventory System (AMLIS)

<sup>\*\*</sup> Adjacent Priority 3 Problems

# TAB 12 By State Information

# By State and Tribe Funding Data

STATE/TRIBE	Enviro		(DOLLARS IN THOUSAND mental Restoration		Environmental Protection		
	AML Funding	Federal R	eclamation	Grants/Agreements		TOTAL	
	Emergency Projects	High Priority Projects	Emergency Projects	Non- Federal Lands	Federal Lands		
Alabama				1,241	20	1,261	
Alaska				381		381	
Arkansas				139		139	
California							
Colorado				670	1,747	2,417	
Georgia							
Illinois				3,870	188	4,058	
Indiana				1,901		1,901	
Iowa				39		39	
Kansas				90	1 410	90	
Kentucky Louisiana	+			10,212 128	1,419	11,631	
Maryland	+			824		128 824	
Michigan				624		024	
Mississippi				183		183	
Missouri				193		193	
Montana				333	1,385	1,718	
New Mexico				311	530	841	
North Dakota				512	398	910	
Ohio				2,668		2,668	
Oklahoma				684	477	1,161	
Oregon							
Pennsylvania				11,899		11,899	
Rhode Island							
South Dakota Tennessee							
Texas				2,183		2,183	
Utah				152	1,906	2,165	
Virginia	1			3,792	1,500	3,792	
Washington	†		110	2,2		110	
West Virginia				12,301		12,301	
Wyoming				230	1,837	2,067	
Cherokee Nation							
Crow				492		492	
Hopi	1			1,022		1,022	
Navajo	1			1,529		1,529	
N. Cheyenne		-		<b>=</b> - 0=0	6 00=	A	
Total	0	0	110	57,979	9,907	67,996	