



UNIVERSITY
of ALASKA

Proposed FY22 Capital Budget and 10-Year Capital Improvement Plan

Board of Regents
November 5-6, 2020

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Statewide Office of Planning and Budget
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Approved 1/15/2020

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8\$6TV 1RYDWQH\ 5RQGH8DDEPHRQWBDXHPHQWND5HHSWKHLU WR
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x &RQVWLWXWLRQ +DOO ([WHULRU :LQGRZV &RQVWLWXWLRQ +DOO
WKH FDPSXV VHUYLQJ VWXGHQW VXSSRUW IXQFWLRQV VXFK D
'HSDUWPHQW RI (TXLW\ DQG &RPSOLDQFH 0DQ\ IHDWXUHV RI W
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GULQNLQJ ZDWHU DQG FRQQHFW\ X D W \ Y L D F S H L B R D W D U D Q Q \$ B W K Z D W K F
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SURSHU VDQLWDWLRQ IDFLOLWIP \$O \$HPRHOHQH\ VXFV K YLFHV WUDLQLQ
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/DVW DFDGHPLF \HDU 8\$\$ KDG WZR VGHSDZURW KLOGBYUDBMDUWLFKXLDLGG DL
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8\$\$ &DPSXV 6SDFH 5HDOORFDWLRQ &RQVROLGDWLRQ

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VSDFH FRQVROLGDWLRQ 7KLV ZLOOHYHQXIH RSSRUDWXLQLWFLRWWW KDURG
FDPSXV EXLOGLQJ DVVHVV

8\$\$ +HDOWK /DE DQG :RUNIRUFH 'HPDQG 5HQRYDWLRQ DQG 3

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)<)< *) 1*) 7RWDO

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RI +HDOWK &2+ FRPPLVVLRQHG D EDUULGLHIUQYIROUY LQ FULGHQLWJLQ XQJE
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8\$\$ ([WHULRU 6DIH \$FFHV V DQG &LUFXODWLRQ ,PSURYHPHQWV

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WHLGSt W"OpÀ0pG0P€đ L pUPVH +HD0

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

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LQWUDPXUDO DWKXGHVLEWR SIIUHEVRQDQZS DUKWPS\$QPHQTQ KRFNH\ WUDLQ
IDFLOLWLHV SUDFWLFH ULQN DQGLKRFUHQ NDGRVULHQWUDDVLDHFRGIEG
IRU DSSUR[LPDWHO\ VSHFWDWRHUQW7KR WSRUWVX&RPSO 8QVRQVE X
FDPSPV SHGHVWULFDQ/RGLDHO DQGR5DRM VZWRWWKSDVRXQWK DQG GRUW
FRGH UHTXLUH ILUH ODQH WR WKM WDRLOQWKV ±WROVKH E KSLDFQGDHELYHL
,QVLGH WKH IDFLWLPHGHDFGQWESDRVHLGKREWHDGMDFHQW WR WKH
SHGHVWULDQ VSLQH ELVHFVV WKHVHSDHWHVQ&RQ\$XKH] IRQVWKZHFDLGL
IHDWXUHV VHUYH DV LQWHUQDOQRQRQRYDDQWRQWRI WKLWVHQRQSLD
SURYLGHG WR 8\$\$ DQGLRXPFDVSDK LWWRFXUHQDWD:G\$ IDFLOLW\ V
UHJXODWLRQ FRQIHUHQFH JDPHV VWRXQSDQGV WPHLQ\HFDVPLQJKIEVSDU
DSSUR[LPDWHO\ \$QLFUHDVH WQLRBFX\$DQKHQRHGGDQGB GSDQW
FRQFHVVLRQV HQRQDQDQ HPRGLQRFDDWLRQ WR EXLOGLQJ V\VWHPV

8\$) &DPSXV :LGH)RRWSULQW 5HGXFWRQ DQG ORGHUQLJDWLRQ 5D

)<)< *) 1*) 7RWDO

ORGHUQLJH DQG UHSHG\$SDHFXDQ MWKXWSDVLPXVRQ /LEUDU\ WR FHQWU
FXUUHQWO\ VSUHDG DFURVV FDPSPV &UHDWH VWXGHQW VXFFHVV F
YHWHUDQTV VHUYLFHV HWF 7KH SLORFKDFQIZQDQVSDFYH DVMFRQGBDQW
+DOO DQG IXUWKHU UHGXFLQJ RII FDPSPV OHDVHV E\ 8\$) XQLWV

8\$) 6HZDUG ODULQH &HQWHU 5HVHDFK 9HVVHO ,QIUDVWUXFWXUH

)<)< *) 1*) 7RWDO

5HQHZDO GHPR DQGLDHFHURHUN RDEQWRU MWKDWVHVA\$SGLW TWKGG5R9W
RSHUDWLRQV :RUN ZLOOQIRYDQKORVYR BGRFO DUHSXUSRVLQJ RI RWKHU
LQFOXGHV UHVWRUDWLRQ RI WKH IDLQGLQJ VHD ZDOO :RUN ZRXOG V
DVVRFLDWHG VKLS VXSSRUW IDFLOLWLHV

8\$) \$UFWLF +HDOWK 5HVHDFK &HQWHUOHDDQGUHGSXDSQW HHQDQFH 5

)<)< *) 1*) 7RWDO

ODMRU IDFLOLW\UFSUUDGH DVORWV KFRSDG ERUWDFWQ\$BQQJ UHQRYDWLRQ
VSDFH DQG HTXLSPHQW DQG EXLOGLQV PHFKDQLFDO DQG HOHFUUL

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

8\$))LQH \$UWV 7KHDWHU :LQJ 0DMRU 5HQHZDO

)<)< *) 1*) 7RWDO

7KH SURMHFW LV D PDMRU UHQRYDOO RQ GRU HWK/H PDMRLV EXULVTKLQDWFH
GHILFLHQFLHV FUHDWH QHZ VP RQOMRQGN DUUWHQJ KLSQJ FWHVDSGR SD
PHFKDQLFDO DQG HOHFWULFDO HFDSDPHUQH DUKHLQH VXQGW ERQ YHQULQ
8\$) DQG QRW MXVW WKH 7KHDWHU \$HSDUWV P\$HQWKHQH PRQGHJZLRQ/ E
VHDW VPDUW DXGLWRULXP DQGOMKHUHIORRU UJWRPV XVG)IXSHRU
PRYHPHQW DFWLYLWLHV

8\$6 1DWXUDO 6FLHQFH /DE &RQVROLGDWLRQ

)<)< *) 1*) 7RWDO

8\$6 QDWXUDO VFLHQFH ODE LV ORFDWHG IRVHEDDPEXNDIOWQWV 7KLDWEX
ORFDWHG LQ DQ LQGXXVWULDO SDVGHPLFXQB BRU ZWR QRWH GHVUJGH
FDQ XVH WKH VSDFH 7KLV SURMHFWJZLV DQJWQRFDGWH B\$6OGLERJUV
RQ FDPSXV DQG QH[W WR WKH QHZ \$XKHFX%ZAL ODWEXWLDQJ GFLGH QHHR %X
VWXGHQWV IDFXQW DQG VRUDEIHUWHRFRQPLQXQW \QHUJ\ 7KLV Z
WKH 165/ EXLOGLRQGXFLQXJEXLQGLQJUSDFHQDQG RSHUDWLRQ DQG P

7KH 165/ SURSHUW\ KDV LQDGHTXDWRSDUNBQ6 FXRUBHQW FXOHBBQMV
QHDUE\ SULDWH SURSHUW\ ZKLFKZLOOSXIFKDWHLORGLGPHKQWCSURQV
UHTXLUHG SDUNLQJ IRU WKH SURSHU

8\$6 :HOGLQJ /DE 5HSODFHPHQW -XQHDX

)<)< *) 1*) 7RWDO

7KH :HOGLQJ /DE ZDQ SHPRQDWHG DQ €° ðÂ B p€0 @ E8#À P° H Z° X @ € @

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

8\$6 (JDQ /LEUDU\ &QGLJHQRXV HQ,RZOHGJH &HQWHU &*

)<)< *) 1*) 7RWDO

)<)< *) 1*) 7RWDO

)<)< *) 1*) 7RWDO

,QGLJHQRXV ODQJXDJHV RI 6RXWKMDRWWK\$DQVNDH FULWLFDO OADHLCGD

IOXHQW VSHDNHUV 7KLV SURMHFW HDLPHV &HQWUDWRIDQ ,QGLJHQRX

&HQWUDOLJH DQG SURPRWH WKHH TQGLJHQRXV GNYODVND

'HYHORS DQ (OGHUV DQG ,QGLJHQRXV 6FKRODUV LQ 5HVLGHQFH S

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

8\$) &RPPXQLW\ 7HFKQ&F&O\$&RDVHRQ +QQJDU \$GGLWLR

)<)< *) 1*) 7RWDO

7KH 8\$) &7& \$YLDWLRQ 3URJUDP LV WRXGVHG LQ D7KFDIDG LKDLQJDLV SX
RIIHULQJV DQG HQWRDOPHQWV &RDUHWURFW DGGXVSRQWRWKH HURZL
SURJUDP

8\$) .XVNRNZLP &DPSXVUDXS7HD&XIQVX&HQWHU ([SDQVLRQ

)<)< *) 1*) 7RWDO

7KH 8\$) .XVNRNZLP &DPSXVLRQ&DH SDQVLRQIRQWRHWKH IURQW R
ZRXOG EH D OLEUDWKHHUSPOVLRQJDKGOI ZRXOG EH IRU D JLIW VKRS
H[SDQVLRQ ZRXOGY SURFWFRQKRUWQLXP FROOHFWLRQ

1HZ &RQVWUXFWLRQ 5HVHDFK)DFLOLWLHV

8\$) 6FLHQFH 7HDFKLQJ 5HVHDFK %XLOGLQJ

)<)< *) 1*) 7RWDO

)<)< *) 1*) 7RWDO

7KLV SURMHFW ZLOO FRQVWUXFWIDGSRJHLPDUFK DQG DFD&DUFHFIH
VSDFH WR ILOO WKH FULWLFDO QHHGV RI)LVKHULHV DQG 2FHDQ 6F
7KH IDFLOLW\ ZLOO EH FRQVWUXFWIDGSRJHLPDUFK DQG DFD&DUFHFIH
FRQFHSW GHVLJQV DQG HVWLPDWHV 7KH EXLOGLOGLZJQOWKHDSOBBQ
PRGHUQ WHDFKLQJ DQG UHVHDFK LQ WKHVH GLVFLSOLQHV 7KH SU
EDF&DUFHFIH DOWHDOVLRQAPPEW\$W€'Q@0ÀÀ@ TX@0°\$p D DSSP ÖW@H% OZLOO
FxVP0 °0 U•PEGH@L A 0 p]HFPÀO @@ "Àüöp Gp pfx@W GE ð À ` KHV P0 P @ p % @

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

8\$) 6WXGHQW 6XFFHVV 6WXGHQW 5HFUHDWLRQ &HQWHU ([SDQVLRQ
)<)< *) 1*) 7RWDO
)<)< *) 1*) 7RWDO
7KLV SURMHFW ZD\O\ EHKH\ R\ YRU\ DU\ F\ H\ L\ Q\ J\ V\ O\ B\ W\ E\ Q\ H\ G\ K\ H\ W\ R\ R\ V\ P\ D\ O\ C\ O\
7KH FXUUHQW IDFLO\ V\ W\ E\ Z\ O\ D\ C\ E\ X\ L\ D\ O\ W\ O\ G\ X\ U\ R\ I\ Z\ O\ U\ V\ W\ X\ G\ H\ Q\ W\ H\ Q\ U\ R\ O\ O\ P\ H\ Q\
UHFUHDWLRQ IRUV) DLW\ E\ D\ Q\ N\ D\ F\ X\ O\ W\ G\ H\ Q\ G\ W\ K\ H\ F\ R\ P\ P\ X\ Q\ L\ W\ \

8\$) 6WXGHQW 6XFFHVV &RUH &DPSXV 3DUNLQJ *DUDJH
)<)< *) 1*) 7RWDO
7KH FRQVWUXFWLRQ RIV\ S\ O\ R\ H\ Q\ S\ D\ U\ P\ S\ I\ X\ Q\ J\ J\ D\ U\ D\ J\ H\ Z\ L\ O\ O\ B\ S\ R\ O\ L\ X\ S\ H\ Y\ F\ R\ O\ X\
IRU IXWXUH EXL\ O\ B\ L\ O\ S\ S\ H\ D\ U\ S\ Q\ R\ H\ R\ W\ W\ O\ W\ O\ R\ Z\ H\ G\ F\ S\ D\ U\ P\ S\ X\ L\ G\ H\ F\ R\ Q\ Y\ H\ Q\ L\
YLVLWRUV SDUWH\ W\ H\ E\ W\ W\ R\ O\ G\ F\ D\ P\ S\ X\ V\ D\ O\ S\)\ Z\ L\ O\ O\ U\ H\ Q\ W\ H\ Z\ H\ I\ W\ O\ R\ G\ F\ L\ Q\ Q\ E\
SDUWQHUVKLSV H\ W\ R\ V\ D\ F\ R\ K\ V\ W\ Y\ H\ H\ W\ K\ H\ O\ R\ L\ D\ W\ H\ S\ H\ U\ V\ S\ R\ W\

11@Z,S@R@Y@F@K@O@F@W@L@E@Q@A@Y@Q@O@D@E@A@E@I@E@O@P@E@V@E@P@E@K@R@Y@Q@E@X@I@C@O@B@E@P@M@I@&M@

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

SHUVRQQHO RQ D TXDUWHUO\ EDVLV

<HDU 5RDGPDS 'HY.HGRS&(BQZLOO GHYHOKSDDVHUSXOV FRPSOHPHQ

Small Scale Modular Nuclear Power: An Option for Alaska?W XG\ IRFXVHG RQ HYROYLQJ V

IROORZLQJ WRSLFV

x 7HFKQRORJ\ ± PLFUR UHDFWRUV VPDOO PRGXODU UHDFWRUV

x 5HJXODWRU\ &DQDGD

x 6LWLQJ ± UHJXODWRU\ HYROXWLRQ RIFDXZRBQIRUFHIV VHFWDUW
WUDQVPLVLRQ GLVWULEXWLRQ LQIUDVWUXFWXUH HWF

x ,QWHJUDWLRQ 7HFKQRORJ\ &DQDGD DQG WFRVW DWWULEXWLRQV
V\ VWHPV HQHUJ\ VWRUDJH WUDQVPLVLRQ GLVWULEXWLRQ K

x)LQDQFH DQG RZQHUSULLYDPRG\HVVXV XWLLOLW\ RZQHG RSHUD

&DVH VWXGLH\VLV RI VSHFLIV €U\W 0€ q€ p t W \$Q@0 p €5p c'Ea 9`@

)<)< &DSLWDO %XGJHW 5HTXHVV 3URMHFW 'HVFULSWLRQV

8\$6 6PDUW &ODVVURRPV -XQHDX &DPSXV

)<)< *) 1*) 7RWDO

%XGJHW
) < 6KRUWIDOO
 \$YJ *URV\$GMXVWHG 5
 RI \$JH \$UHODOXH \$%DFNORJ 'LVW%XGJHW %DVH%DVH
 /RFDWLROGJMDUVVT IHMKRXVDQGRVXVDQGV ,QGHRDQ\$ %XGJHW RDO

0

\$QFKRUDJH & DPSX Anc.

8\$\$ & RPPXQLW\ & DPSXVHV

Kenai Peninsula College	Soldotna	8	29.8	160,626	94,277.9	6,243.0
Kachemak Bay	Home	3	20.0	26,041	13,806.2	751.0
Kodiak College	Kodiak	5	42.8	45,049	26,426.0	4,783.2
Matanuska-Susitna College	Palme	9	27.8	153,371	91,076.4	9,322.2
Prince Wm. Sound College	Valdez					

5HQBZDO DQG

5HTXHVWHSXUSR\$GGJ([SDQG 1HZ)DFLOLWLHV 2W(KHLSPH7RWW DO

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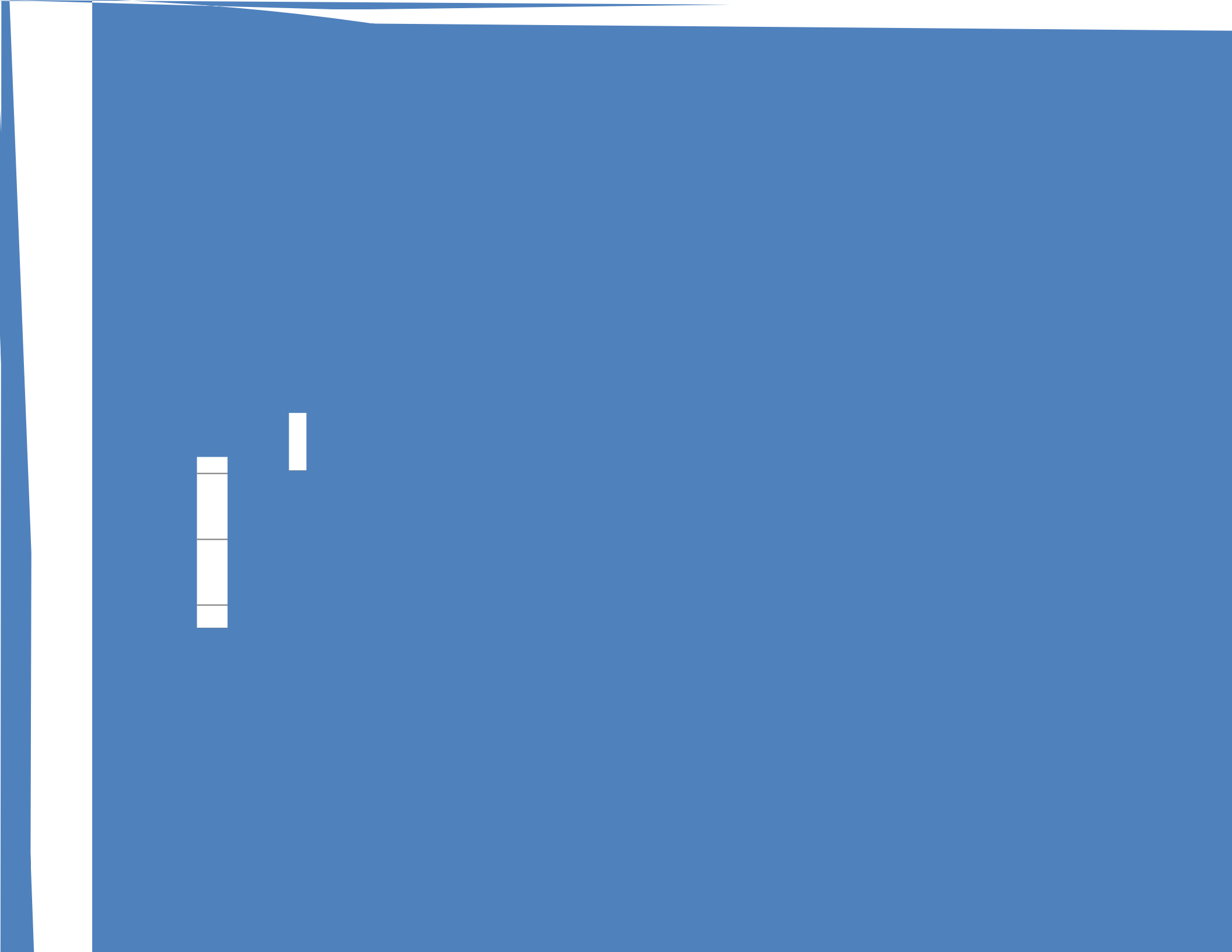
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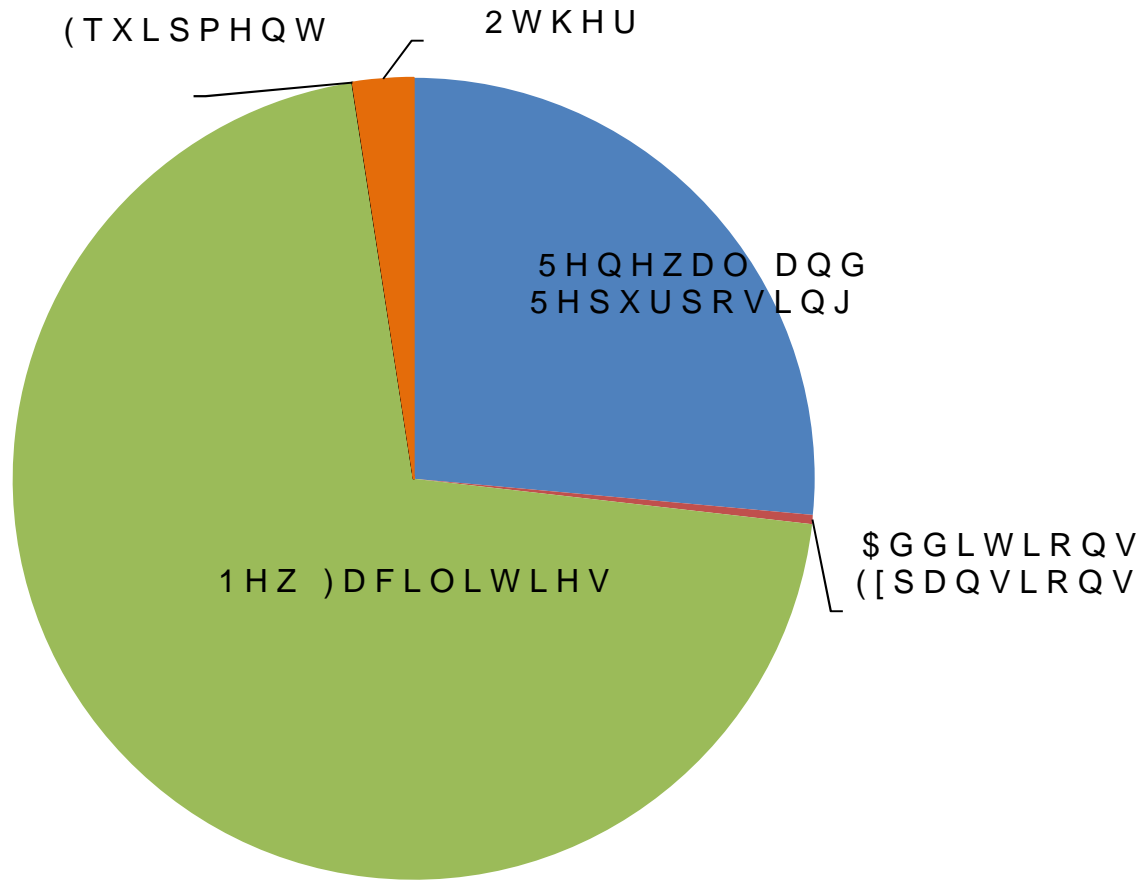
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6WDWH \$SSURSULDWLRQ 6XPPDU\ E\ &DWHJRU\
LQ WKRXVDQG RI



,QFOXGHV UHVHDFK DQG RWKHU FDSLWDO DSSURSULDWLRQV
)XQGV UHDOORFDWHG IURP WKHRWDWLRQV DSSURSULDWLRQV
QRQ VWDWH 1DWXUDO 5HVRXUFH)XQGV 15))< WKRXVDQG)< WKRXVDQG
3URMHFW WRWDO IRU VWDWH DSSURSULDWLRQV DSSURSULDWLRQV DSSURSULDWLRQV